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**ANNUAL  
PLANNING  
INFORMATION  
REPORT  
FISCAL YEAR 1980  
LAWRENCE-  
HAVERHILL SMSA**

GOVERNMENT DOCUMENTS  
COLLECTION



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LABOR AREA RESEARCH PUBLICATION

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ANNUAL PLANNING INFORMATION REPORT

FISCAL YEAR 1980

LAWRENCE-HAVERHILL, MASSACHUSETTS

STANDARD METROPOLITAN STATISTICAL AREA

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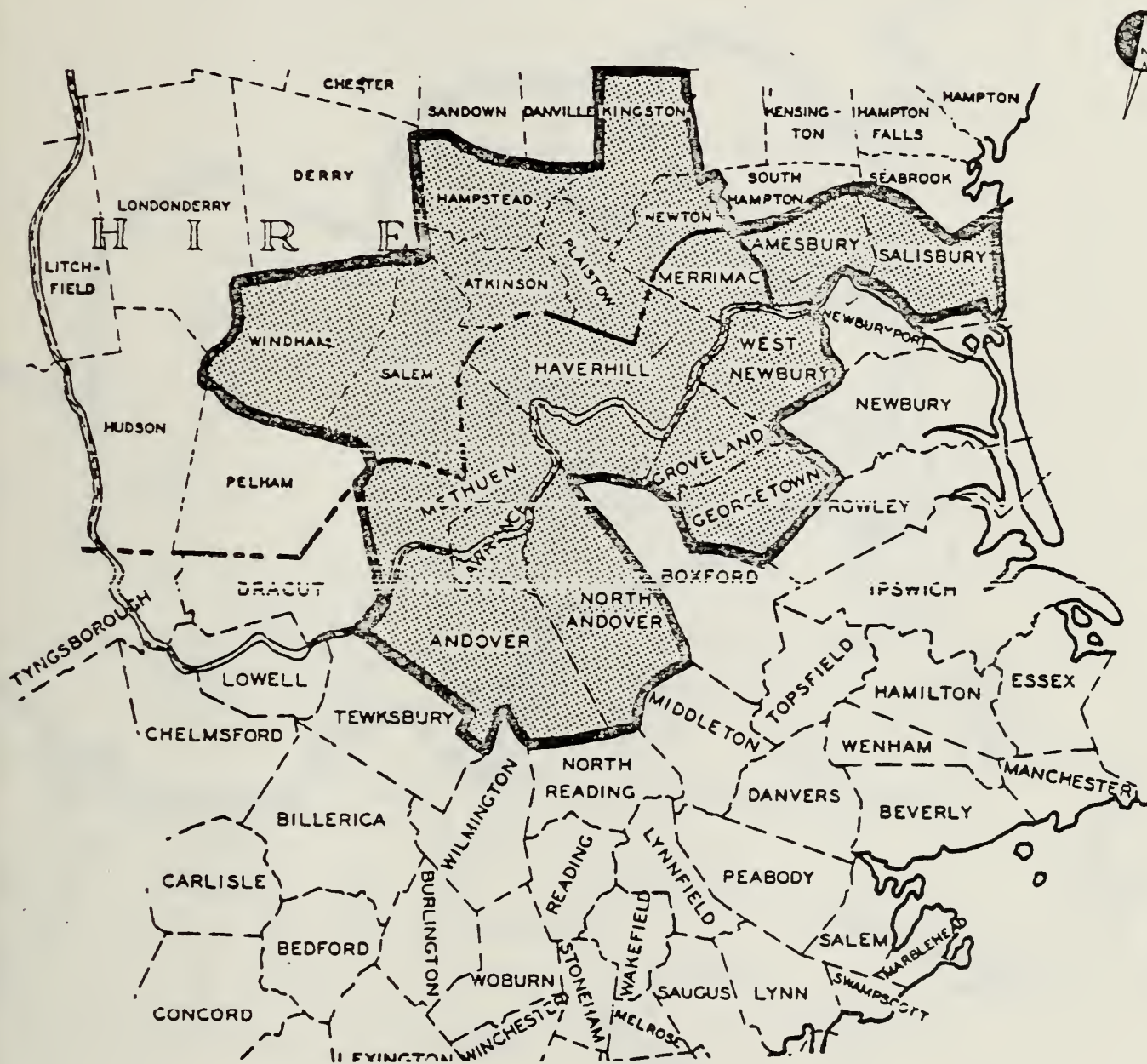
## P R E F A C E

The Annual Planning Information Report (APIR) is an analytical and statistical report which summarizes employment developments and problems in specific labor areas. The report covers developments for the area as a whole, and for specific sections within the area where manpower and unemployment problems are concentrated.

The APIR is intended for public distribution to manpower and community planners, educators, local and state officials, business, labor, and community leaders who need accurate and timely labor market information for planning purposes. Data and analyses contained in the Annual Planning Information Report aid in carrying out local, state, regional, and national office responsibilities; also, manpower utilization programs, and Federal efforts to alleviate local unemployment.



# LAWRENCE-HAVERHILL SMSA



MASSACHUSETTS DEPARTMENT OF COMMUNITY AFFAIRS  
BUREAU OF REGIONAL PLANNING



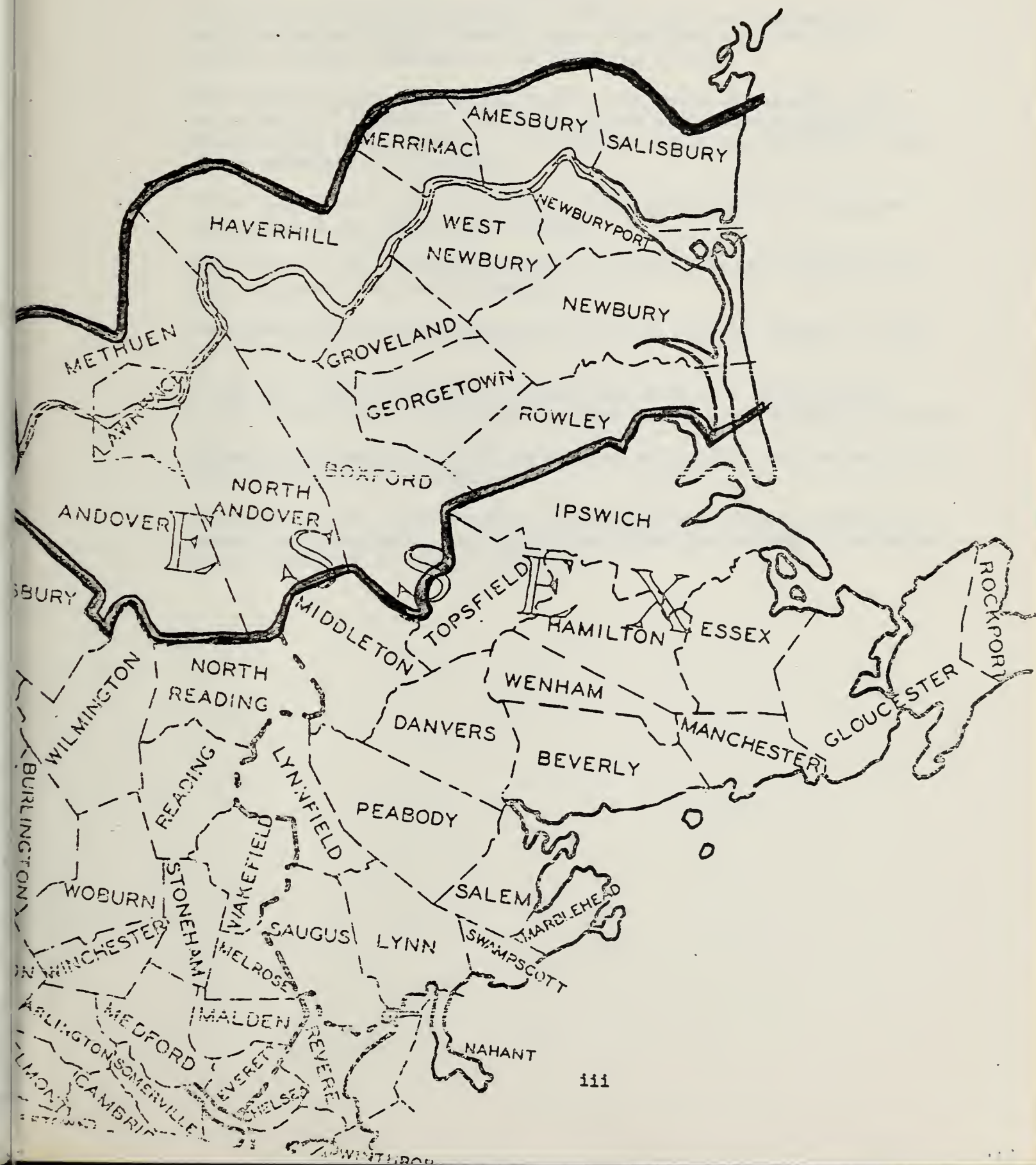
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27 April 1973



LAWRENCE CETA AREA





## I. Highlights and Conclusions

In the next six months employment should increase as the result of new firms moving into the area. Many of the area's manufacturers expect a economic slowdown in the beginning of 1980.

Since 1970 the estimated population for the Lawrence-Haverhill SMSA has grown by 7.7 percent. In the same time period the population for the state has only increased by 1.7 percent while for the United States it has expanded by 9.4 percent.

In the past 9 years the labor force participation rate has increased substantially for female and teenagers.

From 1974 to 1976 the number of jobs decreased by 5,000, however since 1977 employment has been increasing.

The Lawrence-Haverhill unemployment rate went from 8.1 percent in 1977 to 6.1 percent in 1978.

It has been projected that for fiscal year 1980 that there will be 20,080 economically disadvantaged persons in the Lawrence-Haverhill SMSA.

Occupation in health and clerical fields are expected to have good growth rates for the next five years.

The number of job openings that the DES employment offices received decreased over the year. This may indicate that the economy is not expanding as rapidly as it has in the past.



## II. Description of Area

### A. Definition of the Area-Location

The Lawrence-Haverhill, Massachusetts-N.H. SMSA is located in Northeastern Massachusetts and Southeastern New Hampshire. It includes the cities of Lawrence and Haverhill; the towns of Amesbury, Georgetown, Groveland, Merrimac, Methuen, North Andover, Salisbury, and West Newbury in Massachusetts; and the towns of Atkinson, Hampshead, Kingston, Newton, Plaistow, Salem and Windham in New Hampshire.

The Lawrence CETA area includes the cities of Lawrence and Haverhill; the towns of Amesbury, Andover, Boxford, Georgetown, Groveland, Newbury, Newburyport, North Andover, Methuen, Merrimac, Rowley, Salisbury, and West Newbury.

The SMSA is well served by highway, air, bus, and water transportation facilities. The principle highways serving the area are U.S. interstate 95 and 93 which run north and South, State Highways 28 and 110 which run east and west, and Interstate 495 which is an outer belt around Boston. There is a number of air facilities available to the area. The largest is Boston's Logan International Airport which is only 27 miles away. There are four commercial air facilities within the area - Lawrence Municipal Airport in North Andover, Haverhill Airport, Haverhill-Riverside Airport, and Northeast Gliderport in Salem, New Hampshire. The available major water port facilities to the SMSA are Boston, Gloucester, Portland in Maine and Portsmouth in New Hampshire.

## III. Economic Assumptions

In the next six months employment, not counting seasonal variations, is expected to increase as a result of new firms moving into the area. Many of these firms will begin to hire workers within the coming months. The Compugraphic Corporation has opened a new plant at Ward Hill East Industrial Park in Haverhill and it is expected that when the plant is in full operation it will employ between 500 to 1,000 workers. Polaroid is to open a new plant at Andover's Technical Center Industrial Park and will employ between 600 to 700 workers. Rapid Processing Company plans to build a 116,000 square foot plant, which will cost almost 2 million dollars at the Ward Hill East Industrial Park. About 200 persons will be employed at the plant but some of them will be from the firm's Newburyport and Waltham plants. Alemco Corp., an industrial glove firm from Finland, has started operations in Haverhill. Eventually, the company may be employing as many as 200 workers. The Borden Chemical Company plans a 30 million dollar expansion at their North Andover plant in order to manufacture polypropylene plastics. When the plant opens in the early 1980's about 200 workers will be hired. Wang Laboratories is negotiating with Western Electric to buy the former Monomac Mill building on South Union Street in Lawrence. If Wang succeeds in acquiring the building it could mean that eventually 800 workers would be needed.



Despite the expected increase in employment in the coming months the number of persons unemployed may not decline. The cause of this expected phenomenon, rising employment without a corresponding decline in unemployment, is double digit inflation. Since wage increases for hourly employees and salary increases in small and medium sized businesses is anticipated to be between 7 and 8 percent, it will not keep pace with inflation. Although the participation rate of women and teenagers has increased greatly in the last four years, the latest round of inflation will cause an even higher percentage of them to enter the work force in order to keep the standard of living of their families from falling. Thus, although there will be new job openings they may not be in sufficient numbers to absorb the increase of women and teenagers into the labor force.

#### IV. Population and Labor Force Characteristics

By 1980 the population for the Lawrence-Haverhill SMSA is projected to be 278,847. This is a 7.7 percent increase over the 1970 population. Much of this growth took place in the New Hampshire portion of the SMSA. In the same time period the population of Massachusetts is expected to grow by 1.7 percent and the United States population to increase by 9.4 percent.



Table 1

Population Composition for 1970 and Population  
Projections for Fiscal Year 1980

	1970 Population	Projected 1980	Change	Percentage Change
TOTAL	258,876	278,847	+19,971	7.7
<u>White Male</u>	122,875	131,398	+ 8,523	6.9
0 - 14	37,349	34,051	- 3,298	-8.8
15 - 19	11,081	13,881	+ 2,800	+25.3
20 - 24	7,922	10,225	+ 2,303	+29.1
25 - 29	7,855	8,182	+ 327	4.2
30 - 34	6,509	7,958	+ 1,449	22.3
35 - 44	14,014	16,089	+ 2,075	14.8
45 - 64	26,422	28,051	+ 1,629	6.2
65+	11,723	12,961	+ 1,238	10.6
<u>White Female</u>	133,812	144,676	+10,864	7.5
0 - 14	35,803	32,479	- 3,324	-9.3
15 - 19	11,003	13,513	+ 2,510	22.8
20 - 24	9,668	11,238	+ 1,570	16.2
25 - 29	8,321	9,025	+ 704	8.5
30 - 34	6,756	10,281	+ 3,525	52.3
35 - 44	14,178	16,992	+ 2,814	19.8
45 - 64	29,564	30,672	+ 1,108	3.7
65+	18,519	20,476	+ 1,957	10.6
<u>Nonwhite Male</u>	1,050	1,375	+ 325	30.9
0 - 14	410	428	+ 18	4.4
15 - 19	73	156	+ 83	113.7
20 - 24	34	111	+ 77	226.5
25 - 29	52	70	+ 18	34.6
30 - 34	139	142	+ 3	2.2
35 - 44	121	204	+ 83	68.6
45 - 64	125	201	+ 76	60.8
65+	96	63	- 33	-34.4
<u>Nonwhite Female</u>	1,139	1,398	+ 259	22.7
0 - 14	392	424	+ 32	8.2
15 - 19	63	160	+ 97	60.6
20 - 24	100	119	+ 19	19.0
25 - 29	65	63	- 2	-3.1
30 - 34	118	98	- 20	-16.9
35 - 44	138	200	+ 62	44.9
45 - 64	151	229	+ 78	51.7
65+	112	105	- 7	-6.3



The declining birth rate in recent years accounts for the reduction in the number of 0-14 year old age group since 1970. The increase in the 15-24 year group was partly the result of many families with young children moving into the area in the 1960's and the high birth rate in the 1950's. The growth in the 30-34 year group was caused by migration into the area and the post war high birth rate in the late 1940's.

Table 2  
Labor Force Participation Rates  
1970 and 1980

	Participation Rate - 1970		Participation Rate - 1980	
	White	Nonwhite	White	Nonwhite
Male				
16 - 17	44.3	19.5	63.4	38.5
18 - 19	67.2	50.0	82.9	72.6
20 - 24	85.7	88.2	91.9	91.0
25 - 34	97.2	94.8	98.0	92.2
35 - 44	97.7	90.9	97.6	93.0
45 - 64	91.2	95.2	87.8	87.0
65+	27.2	38.5	22.2	19.4
Female				
16 - 17	43.5	17.6	81.8	44.9
18 - 19	56.4	56.0	73.5	58.0
20 - 24	60.6	69.0	73.7	54.8
25 - 34	45.6	39.9	62.4	59.9
35 - 44	56.7	63.0	68.6	65.6
45 - 64	63.4	45.7	65.5	65.1
65+	12.1	12.5	10.0	12.9



From 1970 to 1979 the labor force participation rate increased substantially for female and teenagers. Inflation appears to have forced many secondary workers (female and teenagers) into the labor market since many primary workers' wages have not kept pace with inflation. For males 45 years old and older there has been a slight decline in the participation rate. The reason for that drop is that more males are retiring at an earlier age than ever before. There has been an increase in the rate for all females age groups except for the white 65 year old and over and for the nonwhite female in the 20 - 24 age group.

Table 3  
Labor Force Composition for 1970  
and  
Labor Force Projections for Fiscal Year 1980

	Labor Force		Percentage
	1970	1980	Increase
TOTAL	113,248	142,420	25.8
White Male	66,315	77,787	17.3
White Female	46,114	63,550	37.8
Nonwhite Male	490	647	32.0
Nonwhite Female	329	436	32.5

The greater percentage for females over males was the result of the female participation rate increasing at a faster rate than the males. Much of the growth in the labor force was caused by an increase in the labor force participation rate of women and teenagers rather an increase in population.



Table 4

Population of Cities and Towns in the Lawrence  
Haverhill SMSA in 1970 and 1976

City or Town	1970	1976	Change	Percentage Change
MASSACHUSETTS PORTION				
Lawrence	66,915	65,334	-1,581	-2.4
Haverhill	46,120	43,985	-2,135	-4.6
Amesbury	11,388	13,766	+2,378	+20.9
Georgetown	5,290	5,956	+ 666	+12.6
Groveland	5,382	5,109	- 273	- 5.1
Andover	23,695	26,670	+2,975	+12.6
Merrimac	4,245	4,184	- 61	- 1.4
Methuen	35,456	35,330	- 126	- 0.4
North Andover	16,284	16,041	- 243	- 1.5
Salisbury	4,179	5,060	+ 881	+21.1
West Newbury	2,254	2,718	+ 464	+20.6
NEW HAMPSHIRE PORTION				
Atkinson	2,291	3,269	+ 978	+42.7
Hampstead	2,401	3,060	+ 659	+27.4
Kingston	2,940	3,286	+ 346	+11.8
Newton	1,920	2,645	+ 725	+37.8
Plaistow	4,712	5,390	+ 678	+14.4
Salem	20,142	23,116	+2,974	+14.8
Windham	3,008	4,519	+1,511	+50.2



Between 1970 to 1976 the population in the Lawrence-Haverhill SMSA grew by 4.2 percent. The New Hampshire portion grew by 21.0 percent while the Massachusetts portion only increased by 1.3 percent. Massachusetts towns that grew in population were Amesbury, Georgetown, Andover, Salisbury, and West Newbury.

## V. Training Programs

### WIN:

The Work Incentive Program was enacted to aid families receiving AFDC payments to obtain gainful employment or training that would lead to gainful employment. In the Lawrence-Haverhill SMSA there are two WIN teams in operation - one in the Lawrence Office area, and one in the Haverhill Office area.

Table 5  
Characteristics of Applicants in WIN  
From  
October 1978 to March 1979

	Lawrence Applicants	Percentage	Haverhill Applicants	Percentages
TOTAL	1,109		1,305	
Female	853	76.9	1,016	77.9
Under 20	68	6.1	23	1.8
30-39 years old	503	45.4	575	44.1
12 or more years of schooling	457	41.2	657	50.3
Spanish American	301	27.1	41	3.1
Veterans	62	5.6	85	6.5
Vietnam Veterans	27	2.4	20	1.5
45 years or older	165	14.9	153	11.7
Disadvantaged	1,097	98.9	1,290	98.9

Source: ESARS

The higher percentage of Spanish Americans in the Lawrence WIN office is the result of a heavier concentration of Spanish Americans in the city of Lawrence than in the city of Haverhill.



## CETA

The Comprehensive Employment and Training Act of 1973 provides job training and employment opportunities for economically disadvantaged, unemployed and underemployed persons and assumes that training and other services lead to maximum employment opportunities which will enhance self-sufficiency. CETA offers a number of types of opportunities under Title II B (formerly known as Title I), Title II D (formerly known as Title II), and Title VI PSE (formerly known as Title VI and VIB). Title IIB is that portion of the act devoted to classroom training, work experience, on the job training, counseling and supportive services to participants. Titles IID and Title VIPSE are emergency public service employment functions of the act and other services are training, counseling, job development etc.



Table 6

Characteristics of Enrollers  
In the Lawrence CETA Program  
October 1978 to March 1979

Table						
	Title II-B	Percentage	Title II-D	Percentage	Title VIPSE	Percentage
TOTAL	637		556		1,505	
Male	235	36.9	322	57.9	977	64.9
Female	402	63.1	234	42.1	528	35.1
18 and under	261	41.0	25	4.5	39	2.6
19-44 years old	347	54.5	449	80.8	1,228	81.6
45 years and over	29	4.5	82	14.7	238	15.8
0-8 years of school	147	23.1	38	6.8	131	8.7
9 - 11 years of school	311	48.8	104	18.7	280	18.6
High school graduates	149	23.4	214	38.5	545	36.2
Post high school	30	4.7	200	36.0	549	36.5
Spanish American	144	22.6	41	7.4	97	6.4
AFDC	269	42.2	101	18.2	231	15.3

Source: CETA Program Status Summary

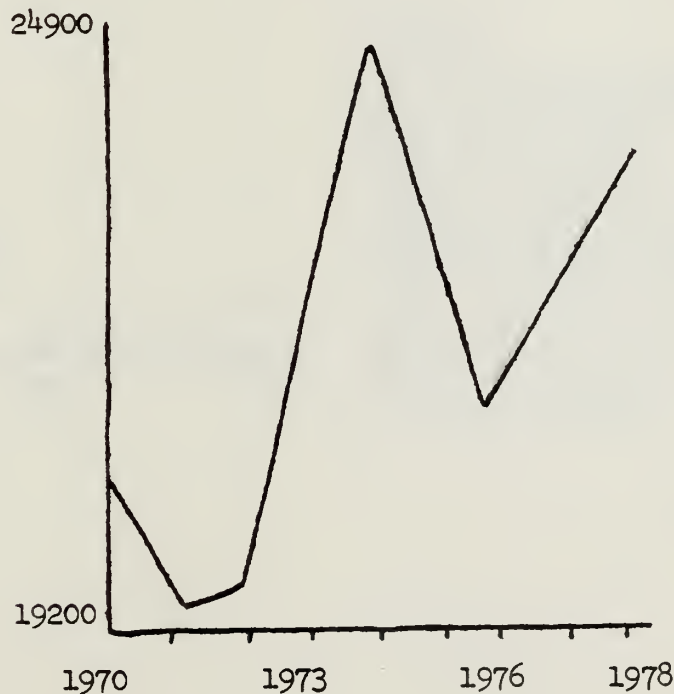


The above table shows that the characteristics of the average enrollee in Title II B is somewhat different than the average enrollee in Title II D and Title VIPSE. Title II B has a higher percentage of enrollees that are: female, under 19 years old, less than a highschool education, more Spanish American, and more on Aid to Families with Dependent Children (AFDC). The average enrollee for Title II D and Title VIPSE would likely be a male that is between 19 to 44 years old, and had 12 or more years of schooling.

#### VI. Employment Developments and Outlook by Industry

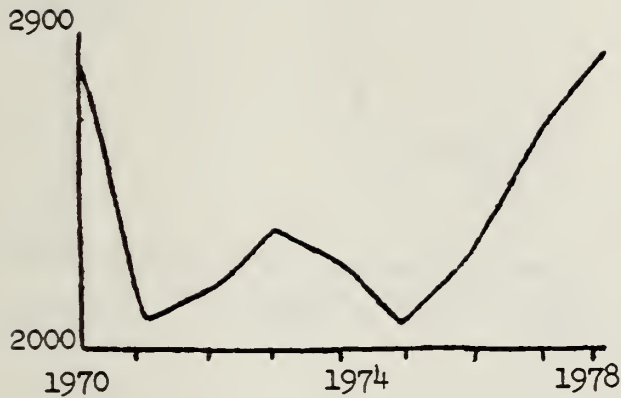
In the last two years (1977 to 1978) the Lawrence-Haverhill SMSA has enjoyed a period of employment growth. Since 1976 manufacture employment expanded by 8.2 percent while nonmanufacturing payrolls increased by 12.1 percent. The three years before 1977, 1974 to 1976, were a period of declining employment because of a reduction in durable goods manufacturing, especially in electrical machinery. Those years, 1974 to 1976, are not forgotten and the area is bracing itself for a recession which is expected to come in the beginning of 1980.

#### DURABLE GOODS





### Textiles



About 80 percent of the textile workers are employed in knitting mills. Employment in knitting mills grew from 1970 to 1973 and declined in 1974 and 1975. However, in 1976 knitting mills payrolls once again began to add on additional workers and employment has been increasing ever since. Some other types of textile manufacturing decreased in 1976 and 1977 but in 1978 some of these began to increase their employment. Although textile employment is in a long term decline, in the past three years the number of textile workers has grown. However, the textile industry, presently, is facing strong competition from imports from far eastern countries, such as China. If textile imports continue to grow it will have an adverse affect on textile employment in the Lawrence-Haverhill SMSA.

### Leather



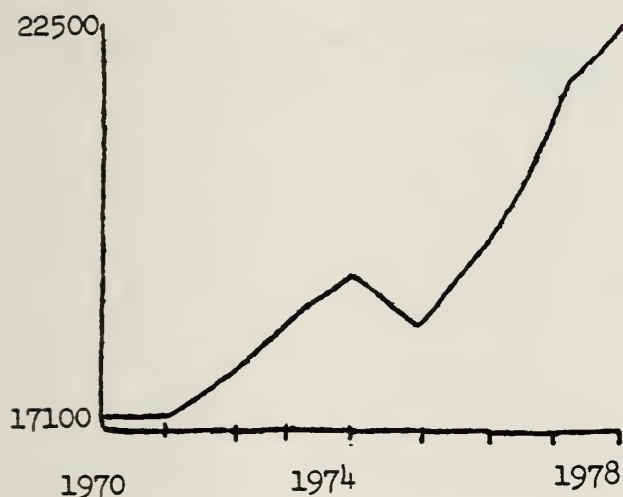
As a result of foreign competition there was a rapid decline in leather employment from 1970 to 1974. After 1974 employment began to improve. Payrolls in the shoe industry began to stabilize and firms that produce leather products other than shoes began adding workers to their employment rolls. However, in 1979 leather employment should decline for the area shoe industry is again on the decline on account of foreign imports.





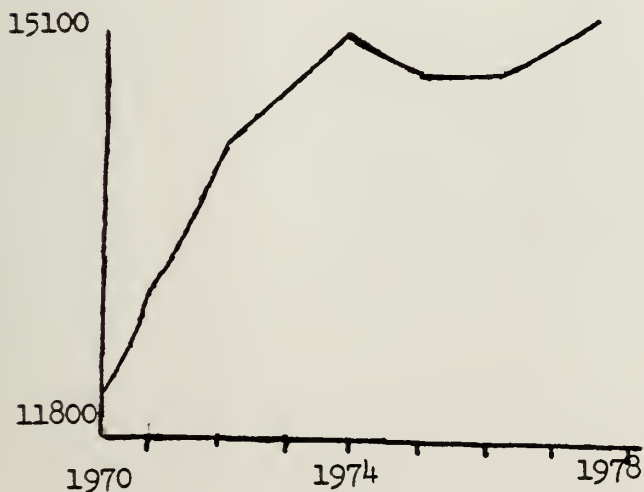
### Construction

Starting at the end of 1973 employment in construction began a downward trend that lasted until 1976. The main causes of this decline was that many banks did not have money to loan out in 1974 and in 1975 and 1976 the economy of the area was depressed because of a reduction in the number of manufacturing jobs. In 1976 thanks to more homes being built and older building having repairs done or additions added on, employment in construction once again began to move upward. In the past year expansion was the result of both residential and nonresidential construction. In 1979 construction employment may decline for housing starts are down.



### Wholesale and Retail Trade

In the past 8 years wholesale and retail trade employment increased by 31.6 percent, from 17,100 to 22,500. The industry that contributed most to this growth was eating and drinking establishments. From 1977 to 1978 the largest employment increases occurred in department stores and eating and drinking places. Wholesale and retail trade should continue to expand over the next 12 months.

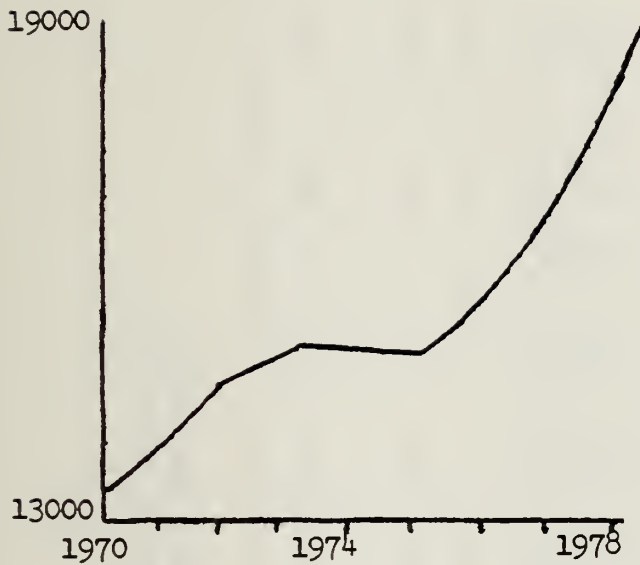


### Services

In the past 8 years service employment has only decreased one year and that was during the last oil shortage of 1973 and 1974. Over the past 8 years the fastest growing industry in the service sector has been the medical and health fields. Some of the other industries that have grown are legal services, services which provide lodgings, child day care services, bookkeeping, amusement and recreational services, and automotive repair shops. Service employment should continue to expand in the coming years.



### Government



In recent years government employment has been growing, especially since 1975. This expansion is primarily the result of city and town governments expanding their payrolls in order to meet the demand of an even more complicated world. New employees are needed to perform such functions as applying for federal funds which have become available in recent years, and meeting new educational and service needs of its citizens. As a result of the present emphasis on less taxation, government employment should expand at a slower rate than it has in the past.



Table 7

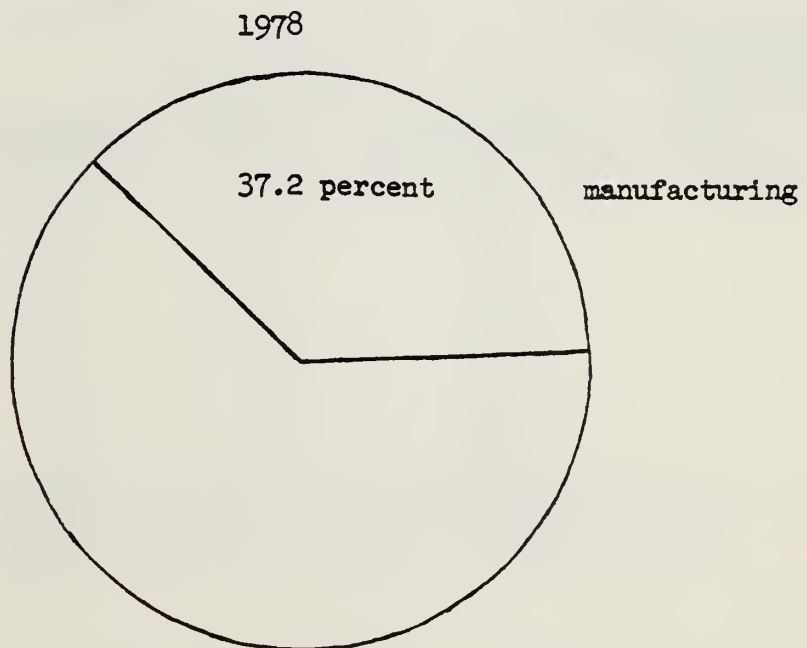
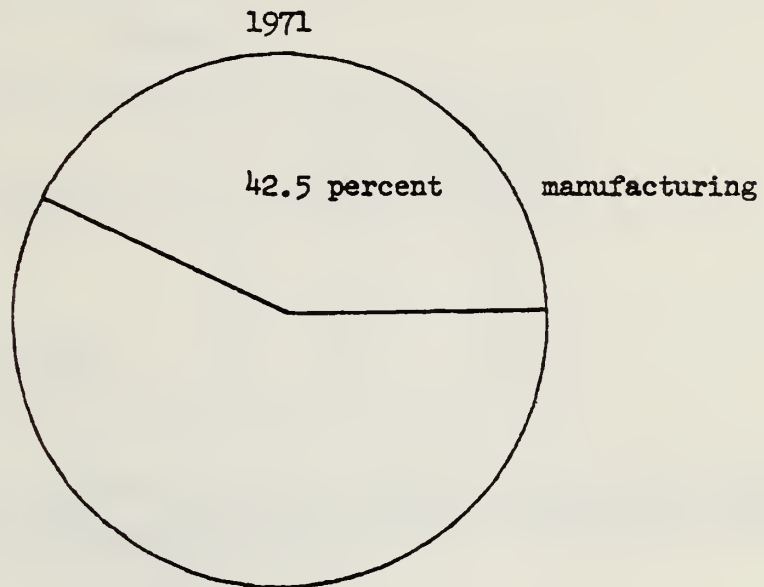
Lawrence-Haverhill, Massachusetts - N.H. SMSA  
Nonagricultural Wage and Salary Employment

	1971	1972	1973	1974	1975	1976	1977	1978
Nonagricultural Wage and Salary Employment	90.2	93.6	98.5	99.8	94.7	94.7	99.1	106.2
Manufacturing Total	38.3	38.3	40.6	41.7	38.4	36.5	37.5	39.5
Durable Goods	19.2	19.4	21.9	24.9	22.2	21.4	22.2	23.5
Machinery (exc. elec.)	2.2	2.2	2.4	2.6	2.2	2.8	3.1	3.2
Other Durable Goods	17.0	17.2	19.5	22.3	20.0	18.6	19.1	20.3
Nondurable Goods	19.1	18.9	18.7	16.8	16.2	15.1	15.3	16.0
Textiles	2.0	2.2	2.4	2.3	2.0	2.3	2.6	2.9
Paper	1.4	1.3	1.4	1.4	1.3	1.3	1.3	1.3
Rubber & Misc. Plastics	2.6	2.8	3.2	2.9	2.4	1.4	1.4	1.4
Leather	6.7	6.2	5.7	4.4	4.7	4.5	4.6	4.8
Other Nondurable Goods	6.4	6.4	6.0	5.8	5.8	5.6	5.4	5.6
Nonmanufacturing - Total	51.9	55.3	57.9	58.1	56.3	58.2	61.6	66.7
Construction	2.8	3.2	3.3	3.0	2.3	2.4	2.3	2.4
Transportation, Communications, Utilities	2.9	3.3	3.7	3.6	3.5	3.7	4.0	4.1
Trade	17.1	17.5	18.5	18.8	18.4	19.5	20.7	22.5
Finance, Insurance, and Real Estate	2.8	2.9	3.1	3.3	3.3	3.4	3.5	3.6
Service, Miscellaneous	12.7	14.1	14.8	14.9	14.3	14.3	14.6	15.1
Mining	13.6	14.3	14.5	14.5	14.5	14.9	16.5	19.0
Government								



Ratio of manufacturing to Nonagricultural Wage and Salary Employment  
in the Lawrence-Haverhill SMSA for 1971 and 1978

In the last eight years nonmanufacturing employment has gained  
a larger share of total employment.





# VII. Recent Unemployment Trends and Projections

## Unemployment Rates for 1977 and 1978

Table 8

	1977	1978	Percentage Change
Massachusetts	8.1	6.1	-24.7
United States	7.0	6.0	-14.3
Lawrence-Haverhill SMSA	9.3	6.7	-28.0

The Lawrence-Haverhill unemployment rate declined faster than either the state or national rate. This was the result of employment growth, especially in the nonmanufacturing sector.

Table 9

## Additional Unemployment Projections Fiscal Year 1980

	Unemployment	Unemployment Rate	Long-Term Unemployment	No. of Different Individuals Unemployed During the Year
TOTAL	9,656	7.0	3,122	40,072
White Male	5,286	7.0	1,911	
White Female	4,317	3.7	1,183	
Nonwhite Male	23	7.0	INA*	
Nonwhite Female	30	6.6	INA*	

\*Figures too small to yield reliable estimates.



Table 9 (Continued)

Additional Unemployment Projections  
for  
Fiscal Year 1980 and Unemployment in 1970

	1970 Unemployment	Rate	1980 Unemployment	Rate
White Male	2,457	4.1	5,286	7.0
16 - 17	176	8.8	419	12.1
18 - 19	169	7.9	476	10.5
20 - 24	417	6.9	940	10.2
25 - 34	412	3.3	1,031	6.6
35 - 44	375	3.1	792	5.1
45 - 64	661	3.0	1,125	4.6
65+	274	8.6	458	16.2
White Female	1,746	4.2	4,317	7.0
16 - 17	148	8.5	549	12.6
18 - 19	109	4.8	281	7.2
20 - 24	276	5.2	710	8.7
25 - 34	204	3.3	622	5.2
35 - 44	245	3.4	597	5.2
45 - 64	635	3.7	1,406	7.1
65+	129	6.4	240	11.9

The highest unemployment rates for both sexes were in the age categories from 16 to 24 and 65 and over.



Table 10

Survey on the Insured Unemployed  
In the Lawrence-Haverhill DES Offices  
During the Period of August 1978 and September 1978

	Total	Percentage
<u>Sex</u>		
Male	2,039	46.7
Female	2,324	53.3
<u>Age</u>		
Under 25	841	19.3
25 - 34	1,100	25.2
35 - 44	865	19.8
45 - 54	528	12.1
55 - 64	657	15.1
65 and over	351	8.0
Information not Available	21	0.5
<u>Duration</u>		
0 - 9 weeks	3,304	75.8
10 - 19	538	12.3
20 - 29	346	7.9
30+	175	4.0



The percentage of female claimants is higher in summer months than at other times of the year. Many women are able to enter the work force only in the summer months because school vacations allow older children to be home to babysit for the younger members of the family. Another reason that the percentage of female claimants is higher is that many male construction workers are employed in the summer months and are unemployed in the winter months.

Almost 76 percent of the claimants have been unemployed less than 10 weeks.

The age group with the largest amount of claimants is the 25 - 34 year old age.

Table 10 (Continued)  
Survey on the Insured Unemployed  
In the Lawrence-Haverhill DES Offices  
During the Period of August 1978 and September 1978

Age	Duration		Percentage
	Total	5 - 14 weeks	
Males	1,588	502	31.6
Under 25	431	89	20.6
25 - 34	399	147	36.8
35 - 44	197	47	23.9
45 - 54	162	72	44.4
55 - 64	225	75	33.3
65 and over	174	71	40.8
Females	2,001	396	19.8
Under 25	301	53	17.6
25 - 34	467	89	19.1
35 - 44	546	95	17.4
45 - 54	298	59	19.8
55 - 64	297	74	24.9
65 and over	91	26	28.6

Male claimants, compared to female claimants, had a higher percentage of claimants that were unemployed longer than 4 weeks. Male claimants in the 45 - 54 age group had the longest duration of unemployment.



Table 10 (Continued)

Survey on the Insured Unemployed  
In the Lawrence-Haverhill DES Offices  
During the Period of August 1978 and September 1978

Occupation	Total	Percentage
Prof., Tech., Mgt.	509	11.7
Clerical/Sales	756	17.3
Services	479	11.0
Farming, Fishing, Forestry	17	0.4
Processing	141	3.2
Machine Trades	503	11.5
Bench Work	772	17.7
Structural	421	9.6
Miscellaneous Work	766	17.6
<u>Industry</u>		
Manufacturing	1,816	41.6
Construction	231	5.3
Transportation/Utilities	192	4.4
Wholesale and Retail Trade	550	12.6
Finance, Insurance, Real Estate	79	1.8
Services	488	11.2
Government	871	20.0
Other	9	0.2
Information not available	127	2.9



The occupations that had the greatest number of unemployed were clerical and sales, bench work, and professional, technical, and managerial, and service.

Although wholesale and retail trade jobs make up 21.2 percent of the employment for the area only 12.6 percent of the claimants were from this industry. Wholesale and retail trade was able to keep its percentage of claimants low because it is now one of the fastest expanding industries in the area. Most of the other industries had about the same percentage of claimants as their percentage of jobs in the area.

#### VIII. Individuals in Need of Employment Services

##### a. Characteristics of the Economically Disadvantaged

The term economically disadvantaged individual means an individual who is a member of a family that:

1. Receives cash welfare payments, or
2. Has a total family income which, in relation to family size, does not exceed the poverty level determined in accordance with criteria established by the office of Management and Budget.

Table 11

Poverty-Level Guidelines for 1979 in the Continental U. S.

Family Size	Nonfarm	Farm
1	3,400	2,910
2	4,500	3,840
3	5,600	4,770
4	6,700	5,700
5	7,800	6,630
6	8,900	7,560



Table 12

## ADDITIONAL PLANNING DATA PROJECTIONS

FISCAL YEAR 1980

## Lawrence-Haverhill SMSA

	Employed Part-Time for Economic Reasons
--	--

TOTAL	4,932
White Male	2,031
White Female	2,848
Nonwhite Male	23
Nonwhite Female	30

	Economically Disadvantaged 18 Year and Over
--	--

TOTAL	20,080
White	19,866
Black	190
Other	24
Spanish	1,123



Table 13

## Characteristics of Job Applicants

For October 1976 to April 1977  
andFor October 1977 to April 1978  
andOctober 1978 to April 1979  
In the Lawrence and Haverhill Offices

	1976 to 1977	Percentage	1977 to 1978	Percentage	1978 to 1979	Percentage
TOTAL	14,446		13,596		11,138	
Males	7,542	52.2	7,161	52.7	5,691	51.1
Under 20	2,064	14.3	2,002	14.7	1,733	15.5
20 - 24	3,466	24.0	3,116	22.9	2,605	23.4
25 - 29	2,485	17.2	2,199	16.2	1,876	16.8
30 - 44	4,048	28.0	3,865	28.4	3,336	30.0
45 - 64	2,256	15.6	2,264	16.7	1,503	13.5
65 and over	127	0.9	150	1.1	85	0.8
Spanish American	1,233	8.5	1,169	8.6	1,387	12.5
Highest School Grade						
0 - 7	798	5.5	813	6.0	610	5.5
8 - 11	5,171	35.8	4,981	36.6	4,030	36.2
12	5,676	39.3	5,218	38.4	4,378	39.3
Over 12	2,801	19.4	2,584	19.0	2,120	19.0

Source: ESARS

In the past three years there has been an upward trend in the percentage of applicants that were teenagers, in the 30 to 44 year old age group, and Spanish American



# IX. Labor Supply - Demand/Imbalances

Table 14

Job Openings Received and Filled  
In the Lawrence and Haverhill Employment Offices  
October 1977 to April 1978 and October 1978 to April 1979

	Openings Received		Openings Filled	
	1978	1979	1978	1979
Occupations				
Total	7,082	4,796	3,473	3,288
Professional, Tech. Managerial	732	497	277	262
Clerical	1,318	1,291	735	907
Sales	261	300	81	223
Domestics	11	8	5	3
Other Services	1,062	591	490	388
Processing	196	156	106	95
Machine Trades	693	334	284	243
Benchwork	1,019	519	529	401
Structural	618	516	313	369
Motor Freight Transportation	213	150	133	90
Packaging and Materials				
Handling	845	385	480	287
Other	114	49	40	20

Source: ESARS

The number of openings received has decreased over the year. This may indicate that the economy is not expanding as rapidly as it has in the past. The occupations that had the greatest reductions in openings received were other services, machine trades, benchwork, and packaging and material handling. Openings received for sales increased slightly and was probably the result of employment expansion of department stores.



Table 15

Occupations of Applicants  
In the Lawrence and Haverhill Employment Services Offices  
That Have a Higher Than Average  $\frac{1}{2}$  Number  
Of Applicants to Job Openings  
February 1979

Occupations	Number of Applicants	Unfilled Job Openings	Ratio of Applicants To Openings $\frac{2}{1}$
Licensed Practical Nurse	14	2	7
Elementary School Teacher	9	0	9
Wholesale and Retail Trade Manager	23	1	23
Office Clerk	137	14	10
Cashier	16	0	16
Accounting Clerk	13	0	13
General Houseworker	16	0	16
Waiter and Waitress	77	5	15
Bartenders	19	2	10
Cosmetologist	14	0	14
Hairdresser	15	0	15
Nurses Aid	85	10	9
Groundskeeping	15	1	15
Metal Unit Assemblers	12	1	12
Assembler	43	1	43
Sewing Machine Operators	41	1	41
Hand Packager	105	2	52
Material Handler	107	9	12

Source: ESARS      1/Average is three applicants to every job opening

$\frac{2}{1}$ /Rounded to the nearest whole number.



Table 16

Occupations of Applicants  
In the Lawrence and Haverhill Employment Service Offices  
That Have a Higher than Average Number of Job Openings  
To Applicants  
February 1979

Occupations	Number of Applicants	Unfilled Job Openings	Ratio of Job Openings to Applicants
Electrical engineering occupation	5	9	2
Electronics Technician	1	5	5
Counselor	14	33	2
Caseworker for Social Service	10	16	1
Mixing and Blending Occupations	5	11	2
Sheet Metal Worker	4	7	1

Source: ESARS



# X. Employment and Outlook by Occupation

Table 17

Occupations That Are Expected to Have Above  
Average <sup>1</sup> Percentage Growth Rate For  
1974 to 1985

Occupations	1974	1985	Annual Average Increase	Percentage Increase
Chemical Technicians	86	110	2	27.0
Drafters	732	889	14	21.0
Electrical, Electronic Tech.	533	675	13	27.0
Industrial Engineering Tech.	72	97	2	34.7
Mechanical Engineering Tech.	51	62	1	21.6
Surveyors	106	124	2	17.0
Engineering, Science Tech. n.e.c.	336	401	6	19.3
Dentist	147	209	6	42.2
Optomerists	12	17	-	41.7
Physicians, M.D. Osteopaths	293	380	8	29.7
Therapists	134	196	6	46.3
Veterinarians	11	16	-	45.5
Dental Hygienists	42	115	7	173.8
Health Record Technology Tech.	9	11	-	22.2
Therapy Assistants	4	8	-	46.9
Other Health Technology Tech.	32	47	1	46.9
Airplane Pilots	28	38	1	35.7
Air Traffic Controller	17	21	-	23.5
Tool Programers, Numerical	6	8	-	33.5
Other Technicians, exc. Health	96	162	6	68.8
Computer Programers	343	378	3	10.2
Computer Systems Analysts	193	256	6	32.6
Economists	113	144	3	27.4
Editors and Reporters	185	215	3	16.2
Musicians and Composers	100	121	2	21.0
Painters and Sculptors	135	163	3	20.7
Photographers	135	147	1	8.9
Writers, Artists, Entertainers n.e.c.	97	159	6	63.9
Clergy	289	323	3	11.8
Librarians	95	154	5	62.1
Operations, Systems Research	184	266	7	44.6
Bank, Financial Managers	551	666	10	20.9
Credit Managers	78	90	1	15.4



Table 17 (Continued)

Occupations That Are Expected to Have Above  
Average <sup>1</sup> Percentage Growth Rate For  
1974 to 1985  
(continued)

Occupations	1974	1985	Annual Average Increase	Percentage Increase
Buyers, Wholesale, Retail	221	289	6	30.8
Purchasing Agents, Buyers n.e.c.	232	286	5	23.3
Sales Manager	903	1,136	21	25.8
Health Administrators	217	256	4	18.0
Office Managers	361	444	8	23.0
Demonstrators	36	48	1	33.3
Hucksters and Peddlers	217	245	3	12.9
Sales and Sales Workers n.e.c.	4,490	5,075	53	13.0
Secretaries, Legal	175	221	4	26.3
Secretaries, Medical	129	167	3	29.5
Secretaries, Other	2,780	3,573	72	28.5
Billing Clerks	181	233	5	28.2
Clerical Supervisors	370	423	5	14.3
Counter Clerks, exc. Food	385	443	5	15.1
Expeditors, Prod. Controllers	544	695	14	27.8
Insurance Adjust, Examiner	147	171	2	16.3
Library Attendants	244	280	3	14.8
Receptionists	352	410	5	16.5
Misc. Clerical Workers n.e.c.	1,700	2,652	87	56.0
Carpenters and Apprentices	1,253	1,470	20	17.3
Bulldozer Operators	90	131	4	45.6
Excavating, Grading, Machine Opr.	206	261	5	26.7
Plumbers, Pipefitters, and Appr.	452	555	9	22.8
Roofer and Slaters	232	285	5	22.8
Opticians, Lens Grinder, Polisher	18	27	1	50.0
Metal Platers	100	121	2	21.0
Welders and Flame Cutters	327	374	4	14.4
Winding Operatives, n.e.c.	742	884	13	19.1
Cleaning Service Workers	2,153	2,825	61	31.2
Lodging Quotes Cleaners	167	229	6	37.1
Bldg. Interior Cleaners n.e.c.	640	891	23	39.2
Janitors and Sextons	1,346	1,706	33	26.7
Bartenders	272	322	5	18.4
Cooks	992	1,333	31	37.0
Dishwashers	327	389	6	19.0
Food Counter Workers	485	658	16	35.7



Table 18  
Occupations Which Are Declining In Numbers

Occupation	1974	1985	Decrease
Biological Scientists	18	15	3
Dietitians	30	29	1
Stenographers	58	27	31
Calculating Machine Oper.	39	28	11
Key punch Operators	699	505	194
Mail Carriers, Post Office	264	248	16
Telephone Operators	764	534	230
Machinists and Apprentices	807	764	43
Millwrights	117	94	23
Pattern and Model Makers	131	92	39
Composition and Typesetters	195	167	28
Power Station Operators	40	31	9
Telephone Line Instal., Splicer	100	62	38
Furniture and Wood Finishers	50	45	5
Shoe Repairers	131	73	58
Stationary Engineers	193	166	27
Tailors	96	84	12
Semiskilled Metal Working	1,427	1,351	76
Lathe, Milling Machine Oper.	162	147	15
Solderers	348	244	104
Knitters, Loopers, & Toppers	72	54	18
Graders & Sorters, Mfg.	90	76	14
Garage Workers, Gas Station Attendants	435	383	52
Mixing Operatives	112	102	10
Oilers, Greasers, Exc. Auto	32	22	10
Shoemaking Machine Operatives	966	588	378
Bus Drivers	242	236	6
Parking Attendants	21	15	6
Taxicab Drivers, Chauffeurs	170	144	32
Barbers	167	118	49
Elevator Operators	38	23	15
Firefighters	648	583	65
Private Household Workers	267	151	116

Source: Occupational Research Department DES



THE FOLLOWING ESARS TABLES HAVE BEEN ENCLOSED TO FOCUS ON THE CHARACTERISTICS OF APPLICANTS REGISTERED IN EMPLOYMENT SERVICE OFFICES FOR OCTOBER 1978 THROUGH MAY 1979. TABLE 96, WHICH LISTS THE OCCUPATIONAL ATTACHMENT OF APPLICANTS, GIVES ONLY THE RESPECTIVE DOT CODES. ENCLOSED AFTER THE TABLE IS THE DOT CODES WITH THEIR COMPATIBLE OCCUPATIONAL TITLES.

FOR FURTHER ASSISTANCE CONTACT THE RESEARCH LIBRARY, DIVISION OF EMPLOYMENT SECURITY, CHARLES F. HURLEY BUILDING, BOSTON, MASSACHUSETTS 02114.



TABLE 96

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

SMSA 4160

TABLE 96

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	UNDER 22	.45 AND OLDER	H	I	J	K	L	M	N	OPENING REC'D	OPENING FEDERAL	OPENING CON- TRACTOR	OPENING JOB LISTING	TOTAL RE- CEIVED	TOTAL .30 DAYS OR MORE
96	001	4	3	1	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0
96	001061-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	001261-010	3	3	1	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0
96	002	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003	37	6	2	3	3	0	0	1	0	1	17	10	7	6	0	0	0	0	0	0
96	003061-010	5	1	1	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0
96	003161-014	18	4	2	2	0	0	0	1	0	0	5	2	3	0	0	0	0	0	0	0
96	003281-010	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	0
96	003281-014	3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
96	005	7	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
96	005061-014	6	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
96	005281-010	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
96	007	20	5	0	0	1	0	0	1	0	0	18	11	7	5	0	0	0	0	0	0
96	007061-014	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	007161-026	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	007281-010	8	3	0	0	1	0	0	0	0	0	2	1	2	0	0	0	0	0	0	0
96	008	3	1	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0
96	008061-018	2	1	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0
96	011	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	012	20	11	2	6	1	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
96	012167-042	2	2	0	2	0	0	0	2	0	1	7	3	0	0	0	0	0	0	0	0
96	012167-066	4	2	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
96	017	5	1	1	0	0	0	0	0	0	0	7	4	4	0	0	0	0	0	0	0
96	018	10	3	0	2	0	0	0	0	0	0	3	3	2	0	0	0	0	0	0	0
96	019	0	0	0	0	0	0	0	0	0	0	3	1	2	0	0	0	0	0	0	0
96	020	17	6	2	1	0	0	0	2	0	1	11	3	3	0	0	0	0	0	0	0
96	020067-014	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	020162-014	6	1	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
96	020167-022	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
96	022	13	7	2	1	1	0	0	0	0	2	3	0	3	0	0	0	0	0	0	0
96	022061-010	7	3	1	1	0	0	0	1	0	1	0	2	0	0	0	0	0	0	0	0
96	022261-010	4	4	1	0	0	0	0	0	0	1	2	0	2	0	0	0	0	0	0	0
96	024	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	029	5	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
96	029261-010	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	040	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	041	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	045	73	23	6	5	1	0	0	0	0	0	75	30	0	0	0	0	0	0	0	0
96	045107-010	60	19	4	3	0	0	0	1	0	1	68	29	33	31	0	0	0	0	0	0
96	045107-022	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
96	050	6	2	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
96	050067	5	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

SMSA 4160

MONTHLY YEAR TO DATE  
FOR PERIOD ENDING 05/31/79



## APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL	REGIS- TERED	APPS	ACTIVE ANYTIME THIS FY.	TOTAL	FEMALE	VETERAN.	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY RE- CEIVED	TOTAL	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	L	M	N	0
									UNDER 22	45 AND OLDER							
96	054	2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
96	054067-010	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
96	055	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	072	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	072101-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	073	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
96	074	6	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0
96	074161-010	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	075	21	5	3	3	3	3	1	0	2	2	3	2	2	2	2	1
96	075374	17	3	3	3	3	3	0	0	1	1	4	1	1	1	1	0
96	075374-010	14	3	3	3	3	3	0	0	1	1	4	1	1	1	1	0
96	076	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	076121-014	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	077	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	077127-014	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	078	13	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0
96	078361-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	078361-014	3	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
96	078362-018	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	078362-026	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	079	60	24	4	20	1	1	3	3	0	16	11	0	1	9	3	3
96	079367-010	9	4	4	2	1	1	1	0	0	2	4	2	1	4	1	1
96	079371-010	11	4	4	4	0	0	0	0	0	3	4	0	0	3	0	0
96	079374-014	24	10	10	10	0	0	0	0	0	10	2	0	0	0	2	2
96	079374-022	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	090	8	2	2	1	1	1	1	1	1	0	2	2	2	1	0	0
96	090227-010	8	2	2	1	1	1	1	0	1	0	2	2	2	1	0	0
96	091	35	13	13	10	2	2	2	0	1	5	4	2	2	6	3	2
96	091227-010	34	13	13	10	2	2	2	0	1	5	4	2	2	6	3	2
96	092	39	11	7	7	0	0	0	1	0	4	0	0	0	1	0	0
96	092227-010	29	4	4	3	0	0	0	1	0	2	0	0	0	0	0	0
96	092227-014	6	2	2	2	1	1	0	0	0	2	0	0	0	1	0	0
96	094	10	2	2	2	1	1	0	0	0	2	3	1	1	4	2	2
96	094224-010	3	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0
96	096	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	097	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	099	25	7	6	6	1	1	0	0	1	4	5	8	8	2	3	4
96	100	7	3	1	1	1	1	1	0	0	0	22	6	6	2	4	3
96	100127-014	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	101	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	102	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	109	2	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0

MONTHLY YEAR TO DATE  
FOR PERIOD ENDING 05/31/79







TABLE 96

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

SMSA 4160

TABLE 96

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS											
		TOTAL REGIS-TERED APPS	TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR-ITY	ECONOM-ICALLY DISAD-VANT-AGED	J	I	H	G	F	E	D	C	A	B	K	L	M	N	O
								UNDER 22	.45 AND OLDER											REC'D FEDERAL	OPENING, UNFILLED	TOTAL	.30 DAYS OR MORE
96	182267-010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	183	22	8	0	5	0	0	0	4	0	1	1	0	0	0	0	0	0	0	3	3	0	0
96	184	11	3	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
96	184117-034	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	185	54	20	7	4	2	3	2	3	0	9	0	0	0	0	0	0	0	0	2	2	7	6
96	185167-058	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	186	27	13	5	6	0	6	0	6	0	1	0	0	0	0	0	0	0	1	2	3	3	3
96	187	59	16	4	5	1	3	1	1	0	4	1	1	0	0	0	0	0	3	26	7	6	6
96	187167-106	20	6	1	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	4	1	0	0
96	187167-190	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	188	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
96	189	44	11	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3	11	12	8	8
96	189167-034	7	2	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	5	3	0	0	0
96	191	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	193	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	195	115	32	23	2	3	3	3	3	0	14	6	0	0	0	0	0	0	120	71	26	22	22
96	195107-010	36	11	9	0	0	1	0	0	0	7	1	0	0	0	0	0	0	28	11	12	10	10
96	195107-022	8	3	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	4	8	1	1	1
96	196	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	197	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	199	15	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	9	11	10	10
96	201	195	61	61	1	10	7	4	26	0	26	4	0	0	0	0	0	0	24	33	13	8	8
96	201362-010	11	2	2	0	1	0	0	0	0	1	0	0	0	0	0	0	0	7	4	2	0	0
96	201362-014	13	3	3	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	2	2
96	201362-030	168	54	54	1	8	7	4	23	0	23	4	0	0	0	0	0	0	59	16	11	6	6
96	202	3	3	3	0	0	1	0	0	0	2	0	0	0	0	0	0	0	13	27	11	5	5
96	202362-014	2	2	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	13	1	7	7	7
96	203	290	90	87	1	14	11	0	45	0	45	11	0	0	0	0	0	0	199	105	65	52	52
96	203362-010	185	55	54	0	12	4	9	22	0	22	0	0	0	0	0	0	0	159	83	54	42	42
96	203582-066	19	8	8	0	1	2	0	4	0	4	0	0	0	0	0	0	0	14	8	2	1	1
96	205	16	3	3	0	0	0	1	2	0	2	0	0	0	0	0	0	0	20	16	2	2	2
96	205367-054	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	3	0	0	0
96	206	37	13	11	1	6	3	3	5	0	5	0	0	0	0	0	0	0	11	6	2	2	2
96	206362-010	27	10	9	1	5	3	3	3	0	3	0	0	0	0	0	0	0	6	3	2	2	2
96	207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
96	208	1	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
96	209	463	177	166	6	45	16	12	77	0	77	12	0	0	0	0	0	0	184	131	35	27	27
96	209562-010	404	153	149	4	39	16	11	70	0	70	11	0	0	0	0	0	0	107	64	27	21	21
96	209687-014	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	210	100	44	43	0	3	13	0	17	0	17	0	0	0	0	0	0	0	62	32	11	8	8
96	210382-010	2	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	9	0	0	0	0
96	210382-014	72	30	29	0	2	9	0	9	0	12	0	0	0	0	0	0	0	49	21	11	9	9

MONTHLY YEAR TO DATE  
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ITEM NO.	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS UNDER 22 .45 AND OLDER	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	K	L	M	N	NONAGRICULTURAL OPENINGS
96	210382-018	23	11	0	1	4	0	3	43	29	7	0	0
96	211	222	81	1	31	2	3	64	36	18			7
96	211362-010	44	9	0	3	0	1	3	1	1			1
96	211362-018	31	10	0	5	0	0	35	29	8			2
96	211462-010	50	16	1	8	0	0	15	3	6			2
96	213	20	10	3	5	1	0	6	1	1			1
96	213362-010	15	8	1	4	0	0	6	1	1			1
96	213662-010	1	0	0	0	0	0	0	0	0			0
96	214	17	6	0	0	0	0	9	1	2			1
96	214382-014	5	3	0	0	0	0	7	5	2			0
96	214462-022	1	0	0	0	0	0	0	0	0			0
96	215	21	12	1	1	3	0	6	3	3			1
96	215482-010	20	11	1	1	2	0	4	2	1			4
96	216	48	19	1	2	5	2	21	10	8			0
96	216382-034	2	1	0	0	0	0	1	0	1			0
96	216482-010	41	14	0	2	3	1	15	7	6			3
96	217	4	1	0	1	0	0	6	5	0			0
96	219	190	64	4	11	6	10	29	8	21			17
96	219362-010	169	57	2	10	6	10	25	7	20			15
96	221	18	6	0	3	2	1	11	3	3			1
96	222	238	61	7	20	2	12	443	404	13			7
96	222387-038	0	0	0	0	0	0	1	167	4			0
96	222387-050	92	30	2	10	0	7	65	42	7			3
96	222387-058	28	5	0	3	0	0	18	12	3			2
96	229	0	0	0	0	0	0	1	0	1			1
96	230	90	5	1	0	1	0	175	167	4			1
96	235	45	24	1	2	5	0	30	24	4			0
96	235462-010	11	6	0	0	2	0	4	0	4			0
96	235562-014	1	0	0	0	0	0	1	1	4			0
96	235562-022	26	15	0	1	3	0	10	5	8			2
96	237	68	19	1	4	4	0	32	13	6			2
96	237367-022	3	0	0	0	0	0	2	0	1			1
96	237367-038	64	19	1	4	4	0	29	12	5			0
96	238	4	1	0	0	1	0	6	1	4			0
96	238362-010	2	1	0	0	1	0	6	1	4			0
96	239	32	8	0	4	1	0	12	3	3			0
96	241	15	2	0	0	0	0	11	7	8			3
96	241357-010	3	0	0	0	0	0	2	1	0			0
96	243	3	1	0	0	0	0	0	0	0			0
96	243362-010	1	0	0	0	0	0	0	0	0			0
96	243367-014	1	1	0	0	0	0	0	0	0			0
96	245	13	7	0	1	1	0	0	0	0			0

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ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	I	H	G	F	E	D	C	B	A	K	L	M	N	O
96	247	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	248	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	249	48	19	1	6	1	2	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	249367-058	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	250	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	250257-010	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	250357-018	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	251	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	251357-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	252	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	254	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	254357-014	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	259	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	260	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	261	36	13	8	4	2	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	261357-046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	261357-050	5	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	261357-054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	261357-058	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	261357-062	7	3	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	261357-066	18	6	6	2	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	262	4	3	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	269	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	270	10	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	270357-038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	271	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	273	20	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	273353-010	15	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	273357-034	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	274	12	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	275	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	275357-042	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	276	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	277	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	277357-034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	279	306	20	16	10	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	279357-050	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	279357-054	281	17	14	10	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	290	82	28	22	11	6	2	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	290477-014	71	24	20	9	6	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	290477-018	10	4	2	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	291	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



TABLE 96

05/31/79 MASSACHUSETTS

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TABLE 96

## APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	ACTIVE ANYTIME THIS FY.	TOTAL FEMALE	VETERAN	AGE GROUPS UNDER 22 45 AND OLDER	MINOR- ITY	ECONOM- ICALLY RE- DISAD- VANT- AGED	J	K	L	M	N	NONAGRICULTURAL OPENINGS OPENING, UNFILLED OPEN REC'D, FILLED FEDERAL CON- TRACTOR, JOB LISTING	TOTAL 30 DAYS OR MORE
96	292	24	1	6	2	2	1	0	0	2	8	3	4	0	0
96	292353-010	17	3	3	1	1	1	0	0	2	7	2	4	0	0
96	293	4	0	0	0	0	0	0	0	0	6	0	6	0	0
96	295	3	0	0	0	0	0	0	0	0	0	0	0	0	0
96	297	2	0	0	0	0	0	0	0	0	2	0	1	1	1
96	298	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	299	41	20	13	2	2	6	0	0	8	37	6	13	11	0
96	299357-014	8	3	3	0	0	2	0	0	0	24	5	8	8	5
96	301	80	45	44	0	10	8	13	39	0	7	1	3	2	2
96	301474-010	25	14	14	0	2	2	4	12	2	2	1	3	0	0
96	301677-010	34	21	21	0	6	5	7	20	1	1	0	0	0	0
96	301687-010	1	1	0	0	1	0	0	0	0	2	0	0	2	2
96	302	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	309	8	4	4	0	1	0	1	3	2	2	0	0	2	2
96	309677-010	3	0	0	0	0	0	0	0	0	2	0	0	0	0
96	310	12	7	7	0	0	1	0	6	109	3	2	0	2	2
96	311	368	169	157	3	44	17	2	118	18	18	76	24	2	2
96	311477-014	73	33	29	0	10	4	1	23	63	9	52	5	5	5
96	311477-030	164	77	74	1	19	7	0	52	22	0	9	8	8	8
96	311477-038	11	3	3	0	3	0	0	0	1	1	1	1	0	0
96	311677-010	7	2	2	0	1	0	0	2	6	4	2	4	4	4
96	311677-014	18	7	5	0	2	1	1	5	2	4	2	2	2	2
96	312	39	19	12	4	1	3	0	12	7	0	4	4	4	4
96	312474-010	30	14	9	3	1	2	0	10	7	0	4	4	4	4
96	313	128	51	17	15	14	6	7	24	41	4	17	15	15	15
96	313131-014	4	3	0	1	1	1	0	1	1	0	0	1	0	0
96	313131-026	3	0	0	0	0	0	0	0	0	0	0	0	0	0
96	313361-014	49	15	6	4	3	4	2	6	18	2	7	7	8	8
96	313361-022	37	12	5	4	5	0	0	6	15	2	6	4	4	4
96	313361-026	1	1	0	0	0	0	0	0	0	0	0	0	0	0
96	313361-030	3	2	1	0	0	0	2	2	1	1	0	0	1	1
96	313381-010	3	2	0	0	1	0	0	1	0	0	0	0	0	0
96	315	28	12	5	5	1	3	1	7	7	7	2	2	2	2
96	315361-010	25	11	5	4	1	3	1	7	7	1	0	0	0	0
96	316	13	5	0	0	2	0	1	2	1	1	1	6	0	0
96	317	14	4	3	1	0	1	0	0	1	1	0	1	0	0
96	317684-014	3	0	0	0	0	0	0	0	1	1	0	1	0	0
96	317687-010	6	1	1	0	0	0	1	1	1	1	0	1	0	0
96	318	146	41	8	1	23	3	5	13	84	22	40	11	11	11
96	318687-010	136	38	8	1	21	3	5	13	81	22	37	11	11	11
96	319	12	5	3	2	2	2	0	2	2	2	0	1	1	1
96	320	1	0	0	0	0	0	0	0	1	1	0	0	0	0

MONTHLY YEAR TO DATE  
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TABLE 96 05/31/79 MASSACHUSETTS SMSA 4160  
 APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

TABLE 96

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS	TOTAL FEMALE ACTIVE ANYTIME THIS FY	TOTAL UNDER 22	AGE GROUPS .45 AND OLDER	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	K	L	M	N	OPENING, OPENING, UNFILLED OPEN REC'D, FILLED	FEDERAL, CON- TRACTOR, JOB LISTING	TOTAL RE- CEIVED	TOTAL RE- CEIVED	TOTAL RE- CEIVED	TOTAL RE- CEIVED	TOTAL RE- CEIVED	TOTAL RE- CEIVED	TOTAL RE- CEIVED
96	321	11	5	0	0	1	0	0	3	5	0	3	2	0	0	0	0	0	0	0	0
96	323	42	14	1	2	3	0	0	0	28	1	10	12	0	0	0	0	0	0	0	0
96	323687-010	12	4	0	0	2	0	0	0	6	0	5	0	0	0	0	0	0	0	0	0
96	323687-014	24	9	0	2	0	0	0	0	21	1	5	0	0	0	0	0	0	0	0	0
96	324	2	0	0	0	0	0	0	0	6	2	0	6	0	0	0	0	0	0	0	0
96	329	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	330	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	332	58	25	0	2	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
96	332271-010	21	9	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
96	334	4	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	339	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	340	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	341	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	342	6	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	344	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	346	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	349	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	352	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	353	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	354	9	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	354374-010	7	3	1	0	1	0	0	0	2	0	2	1	0	0	0	0	0	0	0	0
96	355	258	112	2	18	14	7	92	67	2	44	17	17	0	0	0	0	0	0	0	0
96	355354-010	9	5	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
96	355374-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	355674-014	207	91	1	13	11	6	78	42	1	24	11	11	0	0	0	0	0	0	0	0
96	355674-018	9	3	0	1	1	0	1	5	0	4	4	4	0	0	0	0	0	0	0	0
96	357	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	358	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	359	43	16	1	5	1	3	12	10	3	7	1	3	1	0	0	0	0	0	0	0
96	359677-010	24	7	0	4	0	2	5	3	3	1	1	3	1	0	0	0	0	0	0	0
96	359677-018	15	7	1	1	0	1	5	2	2	2	2	2	0	0	0	0	0	0	0	0
96	359677-026	3	2	0	0	1	0	2	15	0	5	1	1	0	0	0	0	0	0	0	0
96	361	11	4	0	0	0	2	3	15	0	0	0	0	0	0	0	0	0	0	0	0
96	361665-010	2	1	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0
96	361685-018	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	361687-018	5	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	362	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	363	27	10	1	1	1	3	7	13	1	6	1	6	1	0	0	0	0	0	0	0
96	363682-018	8	3	1	0	0	1	3	6	0	0	0	0	0	0	0	0	0	0	0	0
96	363684-018	5	1	0	1	0	1	1	6	0	3	3	3	1	0	0	0	0	0	0	0
96	369	10	5	0	1	0	1	0	9	0	2	2	2	1	0	0	0	0	0	0	0
96	371	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY YEAR TO DATE  
 FOR PERIOD ENDING 05/31/79



## APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY RE- DISAD- VANT- AGED	J	K	L	M	N	NONAGRICULTURAL OPENINGS
					UNDER 22	45 AND OLDER			TOTAL RE- CEIVED	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING			
96	372	155	42	4	17	9	10	4	5	116	115	13	0
96	372567-010	3	0	0	0	0	0	0	0	0	0	0	0
96	372667-034	121	30	2	13	6	7	3	5	84	87	12	12
96	372667-038	11	4	0	0	1	0	1	0	11	10	0	0
96	373	5	1	0	0	1	0	0	0	0	0	0	0
96	375	13	4	2	2	0	1	0	1	7	7	1	1
96	375263-014	11	4	2	2	0	1	0	1	6	5	1	1
96	376	2	1	0	1	0	0	0	0	2	2	0	0
96	377	1	1	0	1	0	1	0	0	0	0	0	0
96	379	100	85	33	4	61	1	1	5	3	2	4	3
96	381	184	67	13	13	31	8	13	31	138	81	24	20
96	382	71	23	1	5	9	6	3	7	43	27	6	6
96	382664-010	70	22	1	5	8	6	3	7	43	27	6	6
96	388	5	1	0	0	1	0	0	0	0	0	0	0
96	389	2	0	0	0	0	0	0	0	0	0	0	0
96	402	4	2	0	0	0	0	2	2	1	1	0	0
96	403	1	0	0	0	0	0	0	0	0	0	0	0
96	405	9	2	1	1	0	2	0	1	2	1	1	0
96	406	85	57	16	2	46	0	1	10	20	14	8	6
96	406684-010	5	1	0	0	1	0	0	0	1	1	0	0
96	406999-777	0	0	0	0	0	0	0	0	2	1	1	0
96	407	0	0	0	0	0	0	0	0	3	0	0	0
96	408	48	14	1	2	8	0	0	2	5	6	0	0
96	408161-010	17	5	0	0	2	0	0	1	0	0	0	0
96	409	1	0	0	0	0	0	0	0	0	0	0	0
96	410	15	7	3	1	1	0	0	3	1	0	0	0
96	418	3	0	0	0	0	0	0	0	0	0	0	0
96	421	5	4	0	0	1	0	2	1	5	1	3	0
96	441	1	0	0	0	0	0	0	0	0	0	0	0
96	446	2	2	0	1	0	0	0	0	0	0	0	0
96	451	1	1	0	0	0	0	0	0	0	0	0	0
96	452	16	14	6	0	13	0	0	1	2	1	0	0
96	454	2	2	0	1	0	0	0	1	0	0	0	0
96	459	17	3	0	2	0	0	1	1	13	6	7	1
96	501	0	0	0	0	0	0	0	0	1	5	1	0
96	503	5	1	0	1	0	0	0	0	0	1	0	0
96	505	1	0	0	0	0	0	0	0	0	0	0	0
96	509	4	1	0	0	1	0	0	0	0	0	0	0
96	509686-010	4	1	0	0	1	0	0	0	0	0	0	0
96	514	3	1	0	0	1	0	0	0	0	0	0	0
96	518	4	0	0	0	0	0	0	0	2	1	0	0

MONTHLY YEAR TO DATE  
FOR PERIOD ENDING 05/31/79



TABLE 96

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

MSA 4160

05/31/79

MASSACHUSETTS

TABLE 96

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT-AGED	J	K	L	M	N	OPENING, UNFILLED	REC'D FEDERAL	CON- TRACTOR	JOB LISTING	OPENING, UNFILLED	REC'D FEDERAL	CON- TRACTOR	JOB LISTING	OPENING, UNFILLED
96	518361-010	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	519	3	1	0	0	0	0	0	0	0	0	0	15	2	0	0	13	2	0	0	2
96	520	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	2	0	0	0	0
96	521	3	2	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	522	1	1	0	0	0	1	0	0	0	0	0	5	1	0	0	5	0	0	0	0
96	524	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
96	525	3	2	1	0	0	0	0	0	0	0	0	2	1	0	0	2	0	0	0	0
96	526	15	7	1	3	0	0	2	2	0	0	0	13	0	0	0	9	0	0	0	1
96	526381-010	8	4	0	0	1	1	1	2	0	0	0	6	0	0	0	5	0	0	0	1
96	526684-010	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	0	0
96	526686-010	5	2	1	2	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0
96	529	11	2	1	0	0	1	1	2	0	0	0	0	1	0	0	0	0	0	0	0
96	529687	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	534	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
96	539	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	0	0
96	550	19	9	1	0	0	0	0	4	0	0	0	20	15	0	0	14	0	0	0	5
96	553	4	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
96	554	3	1	0	0	0	0	0	0	0	0	0	9	9	0	0	1	0	0	0	1
96	555	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	556	21	12	8	3	1	0	0	7	5	0	0	5	0	0	0	2	0	0	0	0
96	556330-010	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	557	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	558	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	559	24	13	4	2	0	0	0	5	0	0	0	19	13	0	0	7	0	0	0	8
96	559567-010	4	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
96	569	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	570	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	574	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	575	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	579	4	4	1	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0
96	580	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	581	5	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0
96	582	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	583	9	4	0	0	0	0	0	3	2	0	0	2	0	0	0	1	0	0	0	0
96	584	8	4	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
96	585	16	5	3	2	0	0	0	3	6	0	0	2	1	0	0	5	0	0	0	1
96	587	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	589	16	5	2	0	0	0	0	1	2	0	0	8	1	0	0	2	0	0	0	0
96	589686-026	10	3	1	1	0	0	0	3	12	0	0	12	1	0	0	11	0	0	0	1
96	590	25	12	4	2	0	0	0	1	9	0	0	10	8	0	0	5	0	0	0	0
96	599	4	2	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
96	600	37	5	0	1	0	0	0	0	36	0	0	25	11	0	0	0	0	0	0	8

MONTHLY YEAR TO DATE  
FOR PERIOD ENDING 05/31/79 P.

MSA 4160



ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS										
		TOTAL REGIS- TERED APPS ACTIVE ANYTIME THIS FY.	TOTAL FEMALE	VETERAN	AGE GROUPS UNDER 22 45 AND OLDER	MINOR- ITY	ECONOM- ICALLY RE- CEIVED DISAD- VANT- AGED	J	I	H	G	F	E	D	C	B	A	OPENING, OPENING, UNFILLED OPEN REC'D FILL'D	M	N	O	
96	600280	33	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	7	0
96	600280-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	600280-022	22	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	21	6	6	0
96	600380-018	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	601	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
96	601280	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0
96	601280-046	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
96	603	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	1	0
96	603664-010	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
96	604	9	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
96	604685-026	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
96	605	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
96	605280-010	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	606	14	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
96	607	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
96	609	14	8	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	5	0
96	609684-014	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
96	609685-018	5	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
96	610	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	613	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
96	615	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
96	615482-022	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
96	616	61	26	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	3
96	617	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1	1	0
96	617685-026	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
96	619	18	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	619360-014	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0
96	620	121	36	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	620261-010	70	25	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	33	10	7	1
96	620281-010	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	4	0	0
96	620281-046	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	621	9	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
96	621381-014	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	623	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	623281-030	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	625	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	625281-010	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	626	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
96	626281-010	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
96	628	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	629	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	629281-022	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1

MONTHLY YEAR TO DATE  
FOR PERIOD ENDING 05/31/79



## APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT-AGED	J	K	L	M	N	NONAGRICULTURAL OPENINGS
					UNDER 22	.45 AND OLDER			CEIVED	REC'D FEDERAL CON-TRACTOR JOB LISTING			
96	630	1	1	0	0	0	0	0	0	1	1	0	0
96	631	1	1	0	0	0	0	0	0	0	0	0	0
96	632	1	1	0	0	0	0	0	0	0	0	0	0
96	633	2	2	1	1	0	0	0	0	0	0	0	0
96	633281-018	1	1	0	0	0	0	0	0	0	0	0	0
96	637	10	4	2	0	0	0	0	0	6	5	0	0
96	637261-014	2	0	0	0	0	0	0	0	1	1	0	0
96	637261-026	0	0	0	0	0	0	0	0	0	4	0	0
96	637664-010	1	0	0	0	0	0	0	0	3	4	0	0
96	638	45	16	0	6	3	0	0	27	16	14	10	0
96	638261-018	1	0	0	0	0	0	0	0	0	0	0	0
96	638281-014	30	14	0	4	2	0	0	21	12	12	6	0
96	638281-018	7	1	0	1	0	0	0	4	0	0	1	0
96	638684-018	4	0	0	0	0	0	0	2	3	1	2	0
96	639	8	4	1	1	0	0	0	2	1	1	0	0
96	640	1	0	0	0	0	0	0	2	1	2	0	0
96	641	1	0	0	0	0	0	0	0	0	0	0	0
96	649	9	5	1	1	0	0	0	3	0	0	0	0
96	650	1	0	0	0	0	0	0	0	0	0	0	0
96	651	14	2	1	0	0	0	0	4	2	2	1	0
96	652	16	5	0	1	0	0	0	10	8	7	2	0
96	653	1	1	1	0	1	0	0	0	0	0	1	0
96	659	2	1	0	1	0	0	0	0	0	0	0	0
96	660	4	2	0	0	0	0	0	0	0	0	0	0
96	660280-010	2	0	0	0	0	0	0	0	0	0	0	0
96	662	3	2	0	0	0	0	0	0	0	0	0	0
96	664	1	0	0	0	0	0	0	0	0	0	0	0
96	665	1	0	0	0	0	0	0	0	0	0	0	0
96	667	2	0	0	0	0	0	0	0	0	0	0	0
96	669	7	2	0	1	0	0	0	0	0	0	0	0
96	669280-010	1	0	0	0	0	0	0	0	0	0	0	0
96	673	1	0	0	0	0	0	0	0	0	0	0	0
96	676	1	0	0	0	0	0	0	0	0	0	0	0
96	680	2	0	0	0	0	0	0	0	0	0	0	0
96	680685	1	0	0	0	0	0	0	0	0	0	0	0
96	681	7	2	1	0	0	0	0	5	6	8	2	0
96	681685-154	5	2	1	0	0	0	0	4	1	3	1	0
96	683	3	3	2	1	0	0	0	3	1	2	0	0
96	683682-038	0	0	0	0	0	0	0	4	0	1	0	0
96	684	0	0	0	0	0	0	0	1	0	1	0	0
96	685	4	1	1	0	0	0	0	1	0	0	0	0
96	686	3	1	1	0	0	0	0	0	0	0	0	0

MONTHLY YEAR TO DATE  
FOR PERIOD ENDING 05/31/79



TABLE 96

05/31/79  
MASSACHUSETTS

SMSA 4160

TABLE 96

### APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

[illegible]



## APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	C	D	E	F	G	H	I	J	K	L	M	N	O
				TOTAL	FEMALE	VETERAN.	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RE- CEIVED	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING
96	729687-010	17	5	3	1	2	0	0	2	1	3	0	2	1	0
96	730	1	1	0	1	0	0	0	0	0	0	0	0	0	0
96	731	5	2	2	0	0	0	0	0	2	0	0	0	0	0
96	732	2	0	0	0	0	0	0	0	0	2	0	2	0	0
96	734	1	1	1	0	0	1	0	0	1	2	2	2	0	0
96	735	2	2	2	0	0	0	0	0	1	0	0	0	0	0
96	737	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	739	24	10	6	2	0	0	1	0	7	7	1	0	0	0
96	740	7	0	0	0	0	0	0	0	0	0	0	0	0	0
96	741	18	9	3	3	0	0	2	2	4	3	0	1	0	0
96	741684-026	10	5	1	3	0	2	2	0	2	2	0	1	0	0
96	741687-018	2	0	0	0	0	0	0	0	0	1	0	0	0	0
96	742	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	749	4	0	0	0	0	0	0	0	0	0	0	0	0	0
96	750	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	751	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	752	3	1	2	1	0	0	1	0	1	1	1	0	0	0
96	753	13	6	0	1	1	0	1	0	3	8	0	4	1	0
96	754	5	2	0	0	0	1	0	1	0	14	14	14	0	0
96	754687-010	4	1	0	0	0	1	0	1	0	8	8	8	0	0
96	759	5	1	1	0	0	0	1	0	0	1	0	0	0	0
96	760	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	761	11	4	3	3	1	2	0	0	2	3	0	2	1	0
96	762	6	3	0	0	1	0	1	0	0	1	0	1	0	0
96	762684-014	1	1	0	1	1	0	1	0	0	0	0	0	0	0
96	763	12	6	2	2	2	2	0	0	4	19	0	18	0	0
96	769	9	3	0	1	1	0	0	0	0	3	0	3	0	0
96	774	3	3	2	1	0	0	0	0	3	0	0	0	0	0
96	775	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	779	1	1	1	0	0	0	0	0	0	0	0	0	0	0
96	780	16	4	3	0	0	2	0	0	2	13	0	9	1	0
96	780381-018	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	780682-018	5	2	2	0	0	0	0	0	0	0	0	0	0	0
96	781	42	9	5	1	1	1	3	1	2	16	4	11	1	1
96	781687-010	4	1	1	0	0	0	1	0	0	6	1	4	1	0
96	782	10	1	1	1	0	0	0	0	0	6	1	4	0	0
96	782684-058	6	0	0	0	0	0	0	0	0	6	1	4	0	0
96	783	11	2	1	0	0	1	0	0	1	19	0	16	0	0
96	783682-014	0	0	0	0	0	0	0	0	0	14	0	13	0	0
96	785	17	7	6	0	0	0	1	0	5	7	1	4	0	0
96	785261-010	10	2	2	0	0	0	0	0	2	3	0	3	0	0
96	785361-010	4	3	3	0	0	0	0	0	3	1	0	0	0	0

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ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED	C	D	E	F	G	H	I	J	K	L	M	N	O
				TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RE- CEIVED	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING				
96	786	36	14	12	1	1	1	6	21	22	16	1	7	8	5
96	787	68	35	33	0	1	1	4	12	12	16	4	11	2	1
96	787682-046	35	18	17	0	0	0	4	12	12	8	3	6	2	1
96	788	429	155	119	3	24	31	44	91	91	138	24	128	15	13
96	789	34	12	3	5	1	4	1	2	2	24	16	18	6	6
96	789687-070	8	2	1	0	0	2	0	0	0	0	0	0	0	0
96	790	1	1	0	1	0	0	0	0	0	0	0	0	0	0
96	794	2	1	1	0	0	0	0	1	1	2	0	2	0	0
96	795	4	2	1	0	1	0	1	1	1	0	0	0	0	0
96	801	6	1	0	1	0	0	1	0	0	5	5	0	5	5
96	801361-014	6	1	0	1	0	0	1	0	0	0	0	0	0	0
96	801381-010	0	0	0	0	0	0	0	0	0	5	5	0	5	5
96	804	14	1	0	1	0	0	0	0	0	11	5	7	1	1
96	804281	14	1	0	1	0	0	0	0	0	11	5	7	1	1
96	804281-010	11	1	0	1	0	0	0	0	0	9	4	7	1	1
96	805	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	806	8	2	1	0	0	1	0	0	0	3	0	3	1	1
96	806381-026	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	806684-010	2	1	1	0	0	0	0	0	0	0	0	0	0	0
96	807	28	8	0	1	0	6	0	0	1	3	0	2	1	1
96	807381-010	24	6	0	1	0	4	0	0	0	2	0	1	1	1
96	809	10	4	0	1	1	1	0	0	1	13	1	10	3	3
96	809684-010	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	809687-022	1	0	0	3	0	2	0	0	2	14	2	9	1	1
96	810	33	8	0	2	0	0	0	0	0	14	2	9	1	1
96	810384-014	29	7	0	2	0	1	0	2	2	14	2	9	1	1
96	811	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	811684-014	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	813	17	9	9	0	0	0	0	0	0	0	0	0	0	0
96	816	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	819	14	5	0	0	0	2	1	1	1	5	4	3	1	1
96	819384-010	6	2	0	0	0	1	0	0	0	4	3	3	0	0
96	820	2	1	0	1	0	0	0	0	0	0	0	0	0	0
96	821	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	822	7	2	0	0	0	0	0	0	0	5	0	3	1	1
96	822281-014	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	823	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	823261-018	1	0	0	0	0	0	0	0	0	1	0	0	1	1
96	824	37	19	0	7	6	1	1	0	0	7	3	4	2	2
96	824261-010	23	8	0	6	0	0	0	0	0	6	3	3	2	2
96	825	1	0	0	0	0	0	0	0	0	1	0	1	0	0
96	825281-022	1	0	0	0	0	0	0	0	0	1	0	1	0	0

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## APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL	REGIS- TERED	C	D	E	F	G	H	I	J	K	L	M	N	O
					TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY RE-	DISAD- VANT- AGED	CEIVED	TOTAL	OPENING, OPENING, UNFILLED OPEN		
								UNDER 22	45 AND OLDER					REC'D	FILLED	TOTAL 30 DAYS OR MORE
														FEDERAL	CON- TRACTOR	OR MORE
														JOBS		
														LISTING		
96	826	7	7	2	1	0	0	0	1	1	0	1	1	2	2	2
96	827	7	7	3	1	0	0	1	0	0	0	1	0	1	0	0
96	827261-010	3	3	1	0	0	0	0	0	0	0	1	0	1	0	0
96	827361-014	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	828	11	11	2	0	2	2	1	0	0	0	10	8	8	1	1
96	828281-010	6	6	1	0	1	0	1	0	0	0	3	2	3	0	0
96	828381-014	3	3	0	0	0	0	0	0	0	0	5	5	4	1	0
96	829	11	11	7	0	0	0	3	0	0	3	3	1	3	0	0
96	829281-014	2	2	1	0	0	0	0	0	0	1	0	0	0	0	0
96	829684	5	5	2	0	0	0	2	0	0	0	2	1	2	0	0
96	840	50	47	18	1	1	5	1	1	1	6	22	2	17	6	6
96	840381-010	17	17	1	1	0	1	0	0	0	0	22	2	17	6	6
96	841	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
96	842	5	5	1	0	0	0	0	0	0	0	3	0	1	0	0
96	842361-018	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	843	5	5	2	0	0	0	0	0	0	1	1	0	0	0	0
96	844	4	4	2	0	0	0	0	0	0	1	1	0	0	0	0
96	844364-010	4	4	2	0	0	0	0	0	0	1	1	0	0	0	0
96	849	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	850	7	7	4	0	0	1	0	0	0	0	4	0	2	2	2
96	850683-010	2	2	1	0	0	0	0	0	0	0	1	0	1	0	0
96	850683-046	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
96	851	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	853	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
96	859	18	18	5	0	0	5	0	1	1	4	1	0	1	0	0
96	860	131	131	31	0	0	9	4	4	4	10	49	2	35	13	12
96	860281-010	5	5	1	0	0	0	0	0	0	0	2	0	1	1	1
96	860381-022	77	77	16	0	0	5	0	3	3	4	37	5	27	5	5
96	861	15	15	4	0	0	1	1	0	0	3	5	0	1	4	4
96	861381-018	10	10	2	0	0	0	0	0	0	2	5	0	1	4	4
96	861381-038	3	3	2	0	0	1	1	0	0	1	0	0	0	0	0
96	862	43	43	10	0	0	3	0	0	0	2	17	1	9	6	4
96	862261-010	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	862361-014	5	5	2	0	0	0	0	0	0	0	1	1	0	0	0
96	862381-018	14	14	3	0	0	0	0	0	0	0	8	0	4	4	4
96	862381-030	9	9	2	0	0	1	0	0	0	1	4	0	3	1	1
96	862381-034	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	862684-014	2	2	1	0	0	1	0	0	0	0	6	0	4	1	1
96	863	2	2	0	0	0	0	0	0	0	0	1	0	1	0	0
96	864	2	2	0	0	0	0	0	0	0	0	3	0	2	0	0
96	865	5	5	1	0	0	0	0	1	0	1	1	0	2	0	0
96	866	15	15	2	0	0	0	0	0	0	1	4	0	3	1	1

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ITEM NO	OCCUPATIONAL CODE	TOTAL	REGIS- TERED	APPS	ACTIVE	ANYTIME	THIS FY	TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY RE- CEIVED	DISAD- VANT- AGED	J	K	L	M	N	O
96	866381-010	12	77	32	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	869	310	32	1	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	869664-014	133	32	1	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	869684-010	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	869687-026	136	34	1	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	891	7	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	899	193	47	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	899281-010	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	899381-010	143	35	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	899684-022	13	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	900	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	902	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	903	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	904	82	14	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	905	157	48	1	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	905663-014	134	41	1	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	906	106	26	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	906683-022	89	23	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	909	5	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	911	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	912	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	912364-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	913	45	16	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	913463-010	20	8	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	913463-018	17	7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	914	5	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	915	69	17	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	915467-010	54	13	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	915473-010	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	915687-018	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	919	11	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	919683-014	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	919687-014	9	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	920	395	160	132	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	920587-018	276	120	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	920685-078	33	8	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	920687-014	16	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	920687-126	52	16	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	921	40	12	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	921683-050	478	124	21	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	922	446	118	21	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	922687-058																			



05/31/79 MASSACHUSETTS  
APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RE- CEIVED	OPENING, OPENING, REC'D, FILLED	N	0
					UNDER 22	45 AND OLDER			FEDERAL, CON- TRACTOR, JOB LISTING		
96	929	342	103	15	22	49	11	16	53	94	13
96	929687-022	6	1	0	0	0	0	0	0	0	1
96	929687-030	308	92	14	19	41	11	15	50	86	11
96	930	1	0	0	0	0	0	0	0	0	0
96	939	1	0	0	0	0	0	0	0	0	0
96	950	3	0	0	0	0	0	0	1	0	2
96	951	4	1	0	1	0	0	0	0	0	0
96	952	1	1	0	1	0	1	0	0	1	0
96	954	2	0	0	0	0	0	0	0	1	2
96	954382-014	1	0	0	0	0	0	0	0	0	0
96	955	24	6	1	0	6	0	0	0	0	0
96	960	3	1	0	0	0	0	0	0	0	0
96	962	1	0	0	0	0	0	0	0	0	0
96	969	3	2	0	2	0	1	0	0	0	0
96	970	12	5	1	1	2	1	0	0	0	0
96	971	3	1	1	0	0	0	0	0	0	0
96	972	1	0	0	0	0	0	0	0	0	0
96	973	3	1	0	0	0	0	0	0	0	0
96	974	1	0	0	0	0	0	0	0	0	0
96	974382-014	1	0	0	0	0	0	0	0	0	0
96	976	7	2	1	1	0	1	0	0	0	0
96	977	1	0	0	0	0	0	0	1	1	0
96	979	18	10	1	2	6	0	0	2	1	2
96	TOTAL OF INVALID OCCUPATIONAL CODES	516	242	155	27	29	44	27	14	47	134
											129

MONTHLY YEAR TO DATE  
FOR PERIOD ENDING 05/31/79



PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK

## 00,01 ARCHITECTURE AND ENGINEERING

001 Architecture  
 002 Aeronautical engineering  
 003 Electrical engineering  
 005 Civil engineering  
 006 Ceramic engineering  
 007 Mechanical engineering  
 008 Chemical engineering  
 010 Mining and petroleum engineering  
 011 Metallurgy and metallurgical engineering  
 012 Industrial engineering  
 013 Agricultural engineering  
 014 Marine engineering  
 015 Nuclear engineering  
 017 Drafting and related work  
 018 Surveying and related work  
 019 Architecture and engineering, n.e.c.

## 02 MATHEMATICS AND PHYSICAL SCIENCES

020 Mathematics  
 021 Astronomy  
 022 Chemistry  
 023 Physics  
 024 Geology  
 025 Meteorology  
 029 Mathematics and physical sciences, n.e.c.

## 04 LIFE SCIENCES

040 Agricultural sciences  
 041 Biological sciences  
 043 Psychology  
 049 Life sciences, n.e.c.

## 05 SOCIAL SCIENCES

050 Economics  
 051 Political science  
 052 History  
 054 Sociology  
 055 Anthropology  
 059 Social sciences, n.e.c.

## 07 MEDICINE AND HEALTH

070 Medicine and surgery  
 071 Osteopathy  
 072 Dentistry  
 073 Veterinary medicine and surgery  
 074 Pharmacy  
 075 Nursing  
 077 Dietetic work  
 078 Medical and dental technology  
 079 Medicine and health, n.e.c.

## 09 EDUCATION

090 College and university education  
 091 Secondary school education  
 092 Primary school and kindergarten education  
 094 Education of the handicapped  
 096 Home economics, agriculture, and related education  
 097 Vocational education, n.e.c.  
 099 Education, n.e.c.

## 10 MUSEUM, LIBRARY, AND ARCHIVAL SCIENCES

100 Library work  
 101 Archival science work  
 102 Museum and related work  
 109 Museum, library, and archival sciences, n.e.c.

## 11 LAW AND JURISPRUDENCE

110 Legal work  
 111 Judicial work  
 119 Law and jurisprudence, n.e.c.

## 12 RELIGION AND THEOLOGY

120 Ministerial work  
 129 Religion and theology, n.e.c.

## 13 WRITING

130 Freelance writing  
 131 Writing and editing, motion pictures, radio and TV  
 132 Writing and editing, publications  
 137 Interpreting and translating  
 139 Writing, n.e.c.

## 14 ART

141 Commercial art  
 142 Designing  
 143 Photography  
 144 Painting and related work  
 148 Sculpturing and related work  
 149 Art work, n.e.c.

## 15 ENTERTAINMENT AND RECREATION

150 Dramatics  
 151 Dancing  
 152 Music  
 153 Athletics and sports  
 159 Entertainment and recreation, n.e.c.

## 16 ADMINISTRATIVE SPECIALIZATIONS

160 Accounting and auditing  
 161 Budget and management analysis  
 162 Purchasing management  
 163 Sales and distribution management  
 164 Advertising management  
 165 Public relations management  
 166 Personnel and training administration  
 168 Inspecting and investigating, managerial and pub. serv.  
 169 Administrative specialties, n.e.c.

## 18 MANAGERS AND OFFICIALS, N.E.C.

180 Agriculture, forestry, and fishing management  
 181 Mining management  
 182 Construction management  
 183 Manufacturing industry management  
 184 Transportation, communication, and utilities, mgt.  
 185 Wholesale and retail trade management  
 186 Finance, insurance, and real estate management  
 187 Service industry management  
 188 Public administration management  
 189 Miscellaneous managerial work, n.e.c.



## 19 PROFESSIONAL, TECHNICAL, &amp; MANAGERIAL

- 191 Business relations work, n.e.c.
- 193 Radio operating
- 194 Sound recording, transcribing, & reproducing
- 195 Social and welfare work
- 196 Airplane piloting & navigating
- 197 Managerial & technical work, water transportation
- 198 Managerial work, railroad transportation
- 199 Misc. prof., tech., & managerial work, n.e.c.

CLERICAL AND SALES WORK

## 20 STENOGRAPHY, TYPING, FILING &amp; RELATED OCCUPATIONS

- 201 Secretarial work
- 202 Stenography
- 203 Typing
- 204 Correspondence work
- 205 Personnel work
- 206 Filing
- 207 Duplicating-machine work
- 208 Miscellaneous office machine work
- 209 Stenography, typing, filing, & related work, n.e.c.

## 21 COMPUTING &amp; ACCOUNT-RECORDING

- 210 Bookkeeping
- 211 Cashiering
- 212 Teller service
- 213 Automatic data processing
- 214 Billing-machine work
- 215 Bookkeeping-machine work
- 216 Computing-machine work
- 217 Account-recording-machine work, n.e.c.
- 219 Computing & account recording, n.e.c.

## 22 MATERIAL &amp; PRODUCTION RECORDING

- 221 Clerical work, production
- 222 Clerical work, shipping and receiving
- 223 Stock checking & related work
- 224 Weighing
- 229 Material & production recording, n.e.c.

## 23 INFORMATION &amp; MESSAGE DISTRIBUTION

- 230 Messenger and related work
- 231 Mail sorting, stamping, recording, routing, & rel. work
- 232 Clerical work, post office
- 233 Mail delivery
- 234 Mail-preparing & mail-handling-machine work
- 235 Telephone work
- 236 Telegraph work
- 237 Reception & information dispensing work
- 239 Information & message distribution, n.e.c.

## 24 MISCELLANEOUS CLERICAL

- 240 Collecting
- 241 Adjusting
- 242 Hotel desk work, n.e.c.
- 243 Clerical work, direct service, n.e.c.
- 249 Miscellaneous clerical work, n.e.c.

## 25 SALES AGENTS, SERVICES

- 250 Saleswork, real estate and insurance
- 251 Saleswork, securities
- 252 Saleswork, business and financial services
- 253 Saleswork, radio and television broadcasting services
- 254 Saleswork, hotel services
- 255 Saleswork, transportation services
- 256 Saleswork, maintenance and repair services
- 257 Saleswork, utilities
- 258 Saleswork, printing and advertising
- 259 Saleswork, services, n.e.c.

## 26, 27, 28 SALES AGENTS AND SALESPERSONS, COMMODITIES

- 260 Saleswork, horticultural and nursery products
- 261 Saleswork, agricultural products, n.e.c.
- 262 Saleswork, foodstuffs, beverages, and tobacco
- 263 Saleswork, textiles, textile products, and apparel
- 264 Saleswork, leather and leather products
- 265 Saleswork, paper and paper products
- 266 Saleswork, chemicals and drug preparations
- 267 Saleswork, fuel and petroleum products
- 268 Saleswork, plastics products
- 270 Saleswork, rubber products
- 271 Saleswork, stone, clay, and glass products
- 273 Saleswork, metal and metal products
- 274 Saleswork, housefurnishings
- 275 Saleswork, hotels and restaurant equipment and supplies
- 276 Saleswork, industrial, construction, mining and drilling equipment and supplies
- 277 Saleswork, farm and garden equipment and supplies
- 278 Saleswork, household appliances and electrical machinery, equipment, and supplies
- 280 Saleswork, transportation equipment
- 281 Saleswork, business and commercial machines, equipment, and supplies
- 282 Saleswork, medical and dental equipment, supplies and appliances
- 283 Saleswork, jewelry and silverware
- 284 Saleswork, scientific apparatus
- 285 Saleswork, photographic equipment and supplies
- 286 Saleswork, amusement and sporting goods
- 287 Saleswork, music and musical instruments
- 289 Saleswork, commodities, n.e.c.

## 29 MERCHANDISING OCCUPATIONS, EXCEPT SALES AGENTS

- 290 Sales clerking
- 291 Peddling
- 292 Route work
- 293 Canvassing and soliciting
- 294 Auctioneering
- 296 Shopping
- 297 Demonstrating and modeling
- 298 Display work
- 299 Miscellaneous merchandising work, n.e.c.

SERVICES

## 30 DOMESTIC SERVICE

- 301 Day work
- 302 Laundry work, private family
- 303 Housekeeping, private family
- 304 Caretaker and yard work
- 305 Domestic cooking



306 Housework, domestic  
 307 Child monitor  
 309 Domestic services, n.e.c.

## 31 FOOD AND BEVERAGE PREPARATION AND SERVICE

310 Food and beverage service, except ship steward/stewardess  
 311 Food serving  
 312 Bartending  
 313 Cooking, large hotels and restaurants  
 314 Cooking, small hotels and restaurants  
 315 Miscellaneous cooking, except domestic  
 316 Meat cutting, except in slaughtering and packing houses  
 317 Miscellaneous food and beverage preparation  
 318 Kitchen work, n.e.c.  
 319 Food and beverage preparation and service, n.e.c.

## 32 LODGING AND RELATED SERVICE

320 Boardinghouse and lodginghouse keeping  
 321 Housekeeping, hotels and institutions  
 323 Cleaning & related services, hotels, restaurants,  
 and related establishments  
 324 Bellhop and related services  
 329 Lodgings and related services, n.e.c.

## 33 BARBERING, COSMETOLOGY, AND RELATED SERVICE

330 Barbering and related services  
 331 Manicuring  
 332 Beautician services  
 333 Make-up, theatrical  
 334 Masseur and related services  
 335 Bath attendant work  
 338 Embalming  
 339 Barbering, cosmetology, and related service, n.e.c.

## 34 AMUSEMENT AND RECREATION SERVICE

340 Bowling alley and billiard parlor services  
 341 Golf course, tennis court, skating rink, & rel. serv.  
 342 Amusement device and concession work  
 343 Gambling hall services  
 344 Ushering  
 346 Wardrobe and dressing-room services  
 349 Amusement and recreation services, n.e.c.

## 35 MISCELLANEOUS PERSONAL SERVICE

350 Ship steward/stewardess service  
 351 Rail passenger service  
 352 Host/hostess and steward/stewardess service, n.e.c.  
 353 Guide service, except hunting and fishing  
 354 Unlicensed birth attendant and practical nursing serv.  
 355 Attendant work, hosps., morgues, & rel. health serv.  
 356 Animal care, n.e.c.  
 357 Baggage porter service  
 358 Checkroom, locker room, and restroom services  
 359 Miscellaneous personal services, n.e.c.

## 36 APPAREL &amp; FURNISHINGS SERVICE

361 Laundering service  
 362 Dry cleaning service  
 363 Pressing service  
 364 Dyeing & related services  
 365 Shoe & luggage repair & related services  
 366 Shoe shining & related services  
 369 Apparel & furnishings services, n.e.c.

## 37 PROTECTIVE SERVICE

371 Bridge tending & crossing guard services  
 372 Guard and related services  
 373 Fire protection service  
 375 Police & related work, public service  
 376 Police & related work, except in public service  
 377 Law enforcement work, n.e.c.  
 378 Military service  
 379 Protective services, n.e.c.

## 38 BUILDING AND RELATED SERVICE

381 Cleaning and related services  
 382 Janitorial services  
 388 Elevator services  
 389 Building and related services, n.e.c.

FARMING, FISHERY, FORESTRY, & RELATED WORK

## 40 PLANT FARMING

401 Grain farming  
 402 Cotton farming  
 403 Vegetable farming  
 404 Fruit and nut farming  
 405 Crop specialty farming  
 406 Horticultural specialty work  
 407 Gardening & groundskeeping  
 409 Plant farming, n.e.c.

## 41 ANIMAL FARMING

411 Dairy farming  
 412 Poultry farming  
 413 Livestock farming  
 419 Animal farming, n.e.c.

## 42 MISCELLANEOUS FARMING &amp; RELATED

421 General farming  
 422 Farm irrigation  
 423 Farm couples  
 424 Farm machinery operating, n.e.c.  
 429 Miscellaneous farming & related work, n.e.c.

## 43 FISHERY AND RELATED

431 Net, seine, and trap fishing  
 432 Line fishing  
 433 Fishing, miscellaneous gear  
 435 Whaling  
 436 Marine life cultivation & related work  
 437 Sponge & seaweed gathering  
 439 Fishery & related work, n.e.c.



44	FORESTRY
441	Forest conservation work
442	Forest products production, except logging
449	Forestry, n.e.c.
45	HUNTING, TRAPPING AND RELATED
451	Hunting and trapping
452	Guide services, hunting and fishing
46	AGRICULTURE SERVICE
461	Cotton ginning and compressing
465	Blight and pest control and bindweed eradicator
466	Animal care
467	Animal science services
469	Agricultural services, n.e.c.
	<u>PROCESSING</u>
50	PROCESSING OF METAL
500	Electroplating
501	Dip plating
502	Melting, pouring, casting, and related work
503	Pickling, cleaning, degreasing, and related work
504	Heat treating
505	Metal spraying, coating, and related work
509	Metal processing, n.e.c.
51	ORE REFINING AND FOUNDRY
510	Mixing and related work
511	Separating, filtering, and related work
512	Melting
513	Roasting
514	Pouring and casting
515	Crushing and grinding
518	Molding, coremaking, and related work
519	Ore refining and foundry work, n.e.c.
52	PROCESSING OF FOOD, TOBACCO AND RELATED PRODUCTS
520	Mixing, compounding, blending, kneading, shaping, and related work
521	Separating, crushing, milling, chopping, grinding, and related work
522	Culturing, melting, fermenting, distilling, saturating, pickling, aging, and related work
523	Heating, rendering, melting, drying, cooling, freezing, and related work
524	Coating, icing, decorating, and related work
525	Slaughtering, breaking, curing, and related work
526	Cooking and baking, n.e.c.
529	Processing, food and related products, n.e.c.
53	PROCESSING OF PAPER AND RELATED MATERIALS
530	Grinding, beating, and mixing
532	Cooking and drying
533	Cooling, bleaching, screening, washing, and rel. work
534	Calendering, sizing, coating, and related work
535	Forming, n.e.c.
539	Processing, paper and related materials, n.e.c.

54	PROCESSING OF PETROLEUM, COAL, NATURAL AND MANUFACTURED GAS AND RELATED PRODUCTS
540	Mixing and blending
541	Filtering, straining, and separating
542	Distilling, subliming, and carbonizing
543	Drying, heating, and melting
544	Grinding and crushing
546	Reacting, n.e.c.
549	Processing, petroleum and related products, n.e.c.
55	CHEMICALS, PLASTICS, SYNTHETICS, RUBBER, PAINT, AND RELATED PRODUCTS
550	Mixing and blending
551	Filtering, straining, and separating
552	Distilling
553	Heating, baking, seasoning, melting, and heat treating
554	Coating, calendering, laminating, and finishing
555	Grinding and crushing
556	Casting and molding, n.e.c.
557	Extruding
558	Reacting, n.e.c.
559	Processing, chemicals and related products, n.e.c.
56	WOOD AND WOOD PRODUCTS
560	Mixing and related work
561	Wood preserving and related work
562	Saturating and related work, n.e.c.
563	Drying, seasoning, and related work
569	Processing, wood and wood products, n.e.c.
57	STONE, CLAY, GLASS, AND RELATED PRODUCTS
570	Crushing, grinding, and mixing
571	Separating
572	Melting
573	Baking, drying, and heat treating
574	Impregnating, coating, and glazing
575	Forming
579	Processing, nonmetallic minerals & rel. products, n.e.c.
58	LEATHER, TEXTILES, AND RELATED PRODUCTS
580	Shaping, blocking, stretching, and centering
581	Separating, filtering, and drying
582	Washing, steaming, and saturating
583	Ironing, pressing, glazing, staking, calendering, and embossing
584	Mercerizing, coating, and laminating
585	Singeing, cutting, shearing, shaving, and napping
586	Felting and fulling
587	Brushing and shrinking
589	Processing, leather and textiles, n.e.c.
59	PROCESSING OCCUPATIONS, N.E.C.
590	Processing, assorted materials
599	Miscellaneous processing, n.e.c.



MACHINE TRADES

## 60 METAL MACHINING

600 Machining and related work  
 601 Toolmaking and related work  
 602 Gear machining  
 603 Abrading  
 604 Turning  
 605 Milling and planing  
 606 Boring  
 607 Sawing  
 609 Metal machining, n.e.c.

## 61 METALWORKING OCCUPATIONS, N.E.C.

610 Hammer forging  
 611 Press forging  
 612 Forging, n.e.c.  
 613 Sheet and bar rolling  
 614 Extruding and drawing  
 615 Punching and shearing  
 616 Fabricating machine work  
 617 Metal forming, n.e.c.  
 619 Miscellaneous metalworking, n.e.c.

## 62, 63 MECHANICS AND MACHINERY REPAIRERS

620 Motorized vehicle and engineering equipment repairing  
 621 Aircraft repairing  
 622 Rail equipment repairing  
 623 Marine equipment repairing  
 624 Farm machinery repairing  
 625 Engine, power transmission, and rel. equipment rep.  
 626 Metalworking machinery repairing  
 627 Printing and publishing machinery repairing  
 628 Textile machinery and equipment repairing  
 629 Special industry machinery repairing  
 630 General industry machinery repairing  
 631 Powerplant machinery repairing  
 632 Ordnance and accessory repairing  
 633 Business and commercial machine repairing  
 637 Utility equipment repairing  
 638 Miscellaneous machine installation and repairing  
 639 Mechanical repairing, n.e.c.

## 64 PAPERWORKING

640 Paper cutting, winding, and related work  
 641 Folding, creasing, scoring, and gluing  
 642 Paper sewing  
 643 Paper corrugating  
 644 Paper fastening, n.e.c.  
 649 Paperworking, n.e.c.

## 65 PRINTING

650 Typesetting and composing  
 651 Printing press work  
 652 Printing machine work  
 653 Bookbinding and related work  
 654 Typecasting and related work  
 659 Printing, n.e.c.

## 66 WOOD MACHINING

660 Cabinetmaking  
 661 Patternmaking  
 662 Sanding  
 663 Shearing and shaving  
 664 Turning  
 665 Milling and planing  
 666 Boring  
 667 Sawing  
 668 Chipping  
 669 Wood machining, n.e.c.

## 67 MACHINING STONE, CLAY, GLASS, &amp; RELATED MATERIALS

670 Stonecutting and related work  
 673 Abrading and polishing  
 674 Turning  
 675 Planing and shaping, n.e.c.  
 676 Boring and punching  
 677 Chipping, cutting, sawing, & related work  
 679 Machining, nonmetallic minerals & rel. materials, n.e.c.

## 68 TEXTILE

680 Carding, combing, drawing, and related work  
 681 Twisting, beaming, warping, and related work  
 682 Spinning  
 683 Weaving and related work  
 684 Hosiery knitting  
 685 Knitting, except hosiery  
 686 Punching, cutting, forming, & related work  
 689 Textile machine work, n.e.c.

## 69 MACHINE TRADES OCCUPATIONS, N.E.C.

690 Plastics, synthetics, rubber, & leather working  
 691 Insulated wire & cable fabricating  
 692 Fabrication of products from assorted materials  
 693 Modelmaking, patternmaking, & related work  
 694 Fabrication of ordnance, ammunition, & related products, n.e.c.  
 699 Miscellaneous machine work, n.e.c.

BENCH WORK

## 70 FABRICATION, ASSEMBLY, &amp; REPAIR OF METAL PRODUCTS, N.E.C.

700 Fabrication, assembly, & repair of jewelry, silverware, & related products  
 701 Fabrication, assembly, & repair of tools & related products  
 703 Sheet-metal products assembly & repair, n.e.c.  
 704 Engraving, etching, & related work  
 705 Filing, grinding, buffing, cleaning, & polishing, n.e.c.  
 706 Metal unit assembling & adjusting, n.e.c.  
 709 Fabrication, assembly, & repair of metal products, n.e.c.



- 71 FABRICATION & REPAIR OF SCIENTIFIC & MEDICAL APPARATUS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS, & RELATED PRODUCTS
- 710 Fabrication & repair of instruments for measuring, controlling, & indicating physical characteristics
- 711 Fabrication & repair of optical instruments & lenses
- 712 Fabrication & repair of surgical, medical, & dental instruments & supplies
- 713 Fabrication & repair of ophthalmic goods
- 714 Fabrication & repair of photographic equipment and supplies
- 715 Fabrication & repair of watches, clocks & parts
- 716 Fabrication & repair of engineering & scientific instruments & equipment, n.e.c.
- 719 Fabrication & repair of scientific & medical apparatus, photographic & optical goods, watches & clocks, & related products, n.e.c.
- 72 ASSEMBLY & REPAIR OF ELECTRICAL EQUIPMENT
- 720 Assembly & repair of radio & television receiving sets & phonographs
- 721 Assembly & repair of motors, generators, & related products
- 722 Communications equipment assembly & repair
- 723 Assembly & repair of electrical appliances & fixtures
- 724 Winding & assembly of coils, magnets, armatures, & related products
- 725 Assembly of light bulbs & electronic tubes
- 726 Assembly & repair of electronic components & accessories, n.e.c.
- 727 Storage battery assembly
- 728 Fabrication of electrical wire and cable
- 729 Assembly & repair of electrical equipment, n.e.c.
- 73 FABRICATION & REPAIR OF PRODUCTS MADE FROM ASSORTED MATERIALS
- 730 Fabrication & repair of musical instruments & parts
- 731 Fabrication & repair of games and toys
- 732 Fabrication & repair of sporting goods
- 733 Fabrication & repair of pens, pencils, & office & artists' materials, n.e.c.
- 734 Fabrication of notions
- 735 Fabrication & repair of jewelry, n.e.c.
- 736 Fabrication & repair of ordnance & accessories
- 737 Fabrication of ammunition, fireworks, explosives & related products
- 739 Fabrication & repair of products made from assorted materials, n.e.c.
- 74 PAINTING, DECORATING, & RELATED OCCUPATIONS
- 740 Brush painting
- 741 Spray painting
- 742 Staining, waxing, & related work
- 749 Painting, decorating, & related work, n.e.c.
- 75 FABRICATION & REPAIR OF PLASTICS, SYNTHETICS, RUBBER, AND RELATED PRODUCTS
- 750 Fabrication & repair of tires, tubes, tire treads, & related products
- 751 Laying out and cutting, n.e.c.

- 752 Fitting, shaping, cementing, finishing, and rel. wk., n.e.c.
- 753 Fabrication and repair of rubber and plastic footwear
- 754 Fabrication and repair of miscellaneous plastic products
- 759 Fabrication and repair of plastics, synthetics, rubber, and related products, n.e.c.
- 76 FABRICATION AND REPAIR OF WOOD PRODUCTS
- 760 Bench carpentry and related work
- 761 Laying out, cutting, carving, shaping, and sanding, n.e.c.
- 762 Assembly of wood products, n.e.c.
- 763 Fabrication and repair of furniture, n.e.c.
- 764 Cooperage
- 769 Fabrication and repair of wood products, n.e.c.
- 77 FABRICATION AND REPAIR OF SAND, STONE, CLAY, AND GLASS PRODUCTS
- 770 Fabrication and repair of jewelry, ornaments, and related products
- 771 Stone cutting and carving
- 772 Glass blowing, pressing, shaping, and related work, n.e.c.
- 773 Coloring and decorating brick, tile, and related products
- 774 Fabrication and repair of pottery and porcelain ware
- 775 Grinding, filing, polishing, frosting, etching, cleaning, and related work, n.e.c.
- 776 Fabrication and repair of asbestos and polishing products, abrasives, and related materials
- 777 Modelmaking, patternmaking, moldmaking, and related work
- 779 Fabrication and repair of sand, stone, clay and glass products, n.e.c.
- 78 FABRICATION AND REPAIR OF TEXTILE, LEATHER, AND RELATED PRODUCTS
- 780 Upholstering and mattress and bedspring fabrication and repair
- 781 Laying out, marking, cutting, and punching, n.e.c.
- 782 Handsewing, mending, embroidering, knitting, and related work, n.e.c.
- 783 Fur working
- 784 Fabrication and repair of hats, caps, gloves, and related products
- 785 Tailoring and dressmaking
- 786 Machine sewing, garment
- 787 Machine sewing, nongarment
- 788 Fabrication and repair of footwear
- 789 Fabrication and repair of textiles, leather, and related products, n.e.c.
- 79 BENCH WORK OCCUPATIONS, N.E.C.
- 790 Preparation of food, tobacco, and related products, n.e.c.
- 794 Fabrication of paper products, n.e.c.
- 799 Miscellaneous bench work, n.e.c.



STRUCTURAL WORK

## 80 METAL FABRICATING, N.E.C.

- 800 Riveting
- 801 Fitting, bolting, screwing, & related work
- 804 Sheet metal work
- 805 Boilermaking & related work
- 806 Transportation equipment assembling & related work
- 807 Body work, transportation equipment
- 809 Miscellaneous metal fabricating, n.e.c.

## 81 WELDERS, FLAME CUTTERS, AND RELATED

- 810 Arc welding
- 811 Gas welding
- 812 Combination arc and gas welding
- 813 Resistance welding
- 814 Brazing, braze-welding, & soldering
- 815 Lead burning
- 816 Flame and arc cutting
- 819 Welding, flame cutting, & related work, n.e.c.

## 82 ELECTRICAL ASSEMBLING, INSTALLING, &amp; REPAIRING

- 820 Generator, motor, & related powerplant equipment assembly, installation, & repair
- 821 Transmission & distribution line & circuit assembly, installation, & repair
- 822 Wire communication, detection, & signaling equipment assembly, installation, & repair
- 823 Electronic communication, detection, & signaling equipment assembly, installation, & repair
- 824 Lighting equipment & building wiring assembly, installation, & repair, n.e.c.
- 825 Transportation & materials handling equipment assembly, installation, & repair, n.e.c.
- 826 Industrial apparatus assembly, installation, and repair, n.e.c.
- 827 Large household appliances & similar commercial & industrial equipment assembly, installation, & repair
- 828 Electrical & electronic product fabrication, installation, & repair, n.e.c.
- 829 Assembly, installation, & repair of electrical products, n.e.c.

## 84 PAINTING, PLASTERING, WATERPROOFING, CEMENTING, AND RELATED

- 840 Construction & maintenance painting & related work
- 841 Paperhanging
- 842 Plastering & related work
- 843 Waterproofing & related work
- 844 Cement & concrete finishing & related work
- 845 Transportation equipment painting & related work
- 849 Painting, plastering, waterproofing, cementing, & related work, n.e.c.

## 85 EXCAVATING, GRADING, PAVING, &amp; RELATED

- 850 Excavating, grading, & related work
- 851 Drainage & related work
- 852 Concrete paving
- 853 Asphalt paving
- 859 Excavating, grading, paving, & related work, n.e.c.

## 86 CONSTRUCTION OCCUPATIONS, N.E.C.

- 860 Carpentry and related work
- 861 Brick and stone masonry and tile setting
- 862 Plumbing, gas fitting, steam fitting, and related work
- 863 Asbestos and insulation work
- 864 Floor laying and finishing work
- 865 Glass setting and related work
- 866 Roofing and related work
- 869 Miscellaneous construction work, n.e.c.

## 89 STRUCTURAL WORK OCCUPATIONS, N.E.C.

- 891 Structural maintenance, n.e.c.
- 892 Hoisting and conveying, n.e.c.
- 899 Miscellaneous structural work, n.e.c.

MISCELLANEOUS WORK

## 90 MOTOR FREIGHT

- 900 Concrete-mixing-truck driving
- 902 Dump-truck driving
- 903 Truck driving, inflammables
- 904 Trailer-truck driving
- 905 Heavy truck driving
- 906 Light truck driving
- 909 Motor freight transportation, n.e.c.

## 91 TRANSPORTATION OCCUPATIONS, N.E.C.

- 910 Railroad transportation
- 911 Water transportation
- 912 Air transportation
- 913 Passenger transportation, n.e.c.
- 914 Pumping and pipeline transportation
- 915 Parking lot and related service work
- 919 Miscellaneous transportation work, n.e.c.

## 92 PACKAGING AND MATERIALS HANDLING

- 920 Packaging
- 921 Hoisting and conveying
- 922 Materials moving and storing, n.e.c.
- 929 Packaging and materials handling, n.e.c.

## 93 OCCUPATIONS IN EXTRACTION OF MINERALS

- 930 Boring, drilling, cutting, and related work
- 931 Blasting
- 932 Loading and conveying
- 933 Crushing
- 934 Screening and related work
- 939 Extraction of minerals, n.e.c.

## 94 OCCUPATIONS IN LOGGING

- 940 Timber cutting and related work
- 941 Log inspecting, grading, scaling, and related work
- 942 Log sorting, gathering, storing, and related work
- 949 Logging, n.e.c.



## 95 PRODUCTION AND DISTRIBUTION OF UTILITIES

- 950 Stationary engineering
- 951 Firing and related work
- 952 Generation, transmission, and distribution  
of electric light and power
- 953 Production and distribution of gas
- 954 Filtration, purification, and distribution of water
- 955 Refuse and sewage disposal
- 956 Distribution of steam
- 957 Transmission of communications, n.e.c.
- 959 Production and distribution of utilities, n.e.c.

96 AMUSEMENT, RECREATION, AND MOTION PICTURE  
OCCUPATIONS, N.E.C.

- 960 Motion picture projecting
- 961 Modeling and related work, n.e.c.
- 962 Motion picture production, n.e.c.
- 963 Radio and television production, n.e.c.
- 964 Theatrical and related entertainment production, n.e.c.
- 969 Miscellaneous amusement, recreation, and motion  
picture work, n.e.c.

## 97 GRAPHIC ART WORK

- 970 Art work, brush, spray, or pen
- 971 Photoengraving
- 972 Lithography and related work
- 973 Hand composition, typesetting, and related work
- 974 Electrotyping and related work
- 975 Stereotyping and related work
- 976 Darkroom work, n.e.c.
- 977 Bookbinding and related work
- 979 Graphic art work, n.e.c.

## 999 INFORMATION NOT AVAILABLE







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# **ANNUAL PLANNING INFORMATION REPORT FISCAL YEAR 1981 LAWRENCE- HAVERHILL SMSA**



LABOR AREA RESEARCH PUBLICATION

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Massachusetts Division of Employment Security

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job market research





ANNUAL PLANNING INFORMATION REPORT

FISCAL YEAR 1981

LAWRENCE-HAVERHILL, MASSACHUSETTS

STANDARD METROPOLITAN STATISTICAL AREA

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## P R E F A C E

The Annual Planning Information Report (APIR) is an analytical and statistical report which summarizes employment developments and problems in a specific labor area. The report covers developments for the area as a whole, and for specific sections within the area where manpower and unemployment problems are concentrated.

The APIR is intended for public distribution to manpower and community planners, educators, local and state officials, business, labor, and community leaders who need accurate and timely labor market information for planning purposes. Data and analyses contained in the Annual Planning Information Report aid in carrying out local, state, regional, and national office responsibilities; also, manpower utilization programs, and Federal efforts to alleviate local unemployment.



# LAWRENCE-HAVERHILL SMSA



MASSACHUSETTS DEPARTMENT OF COMMUNITY AFFAIRS  
BUREAU OF REGIONAL PLANNING

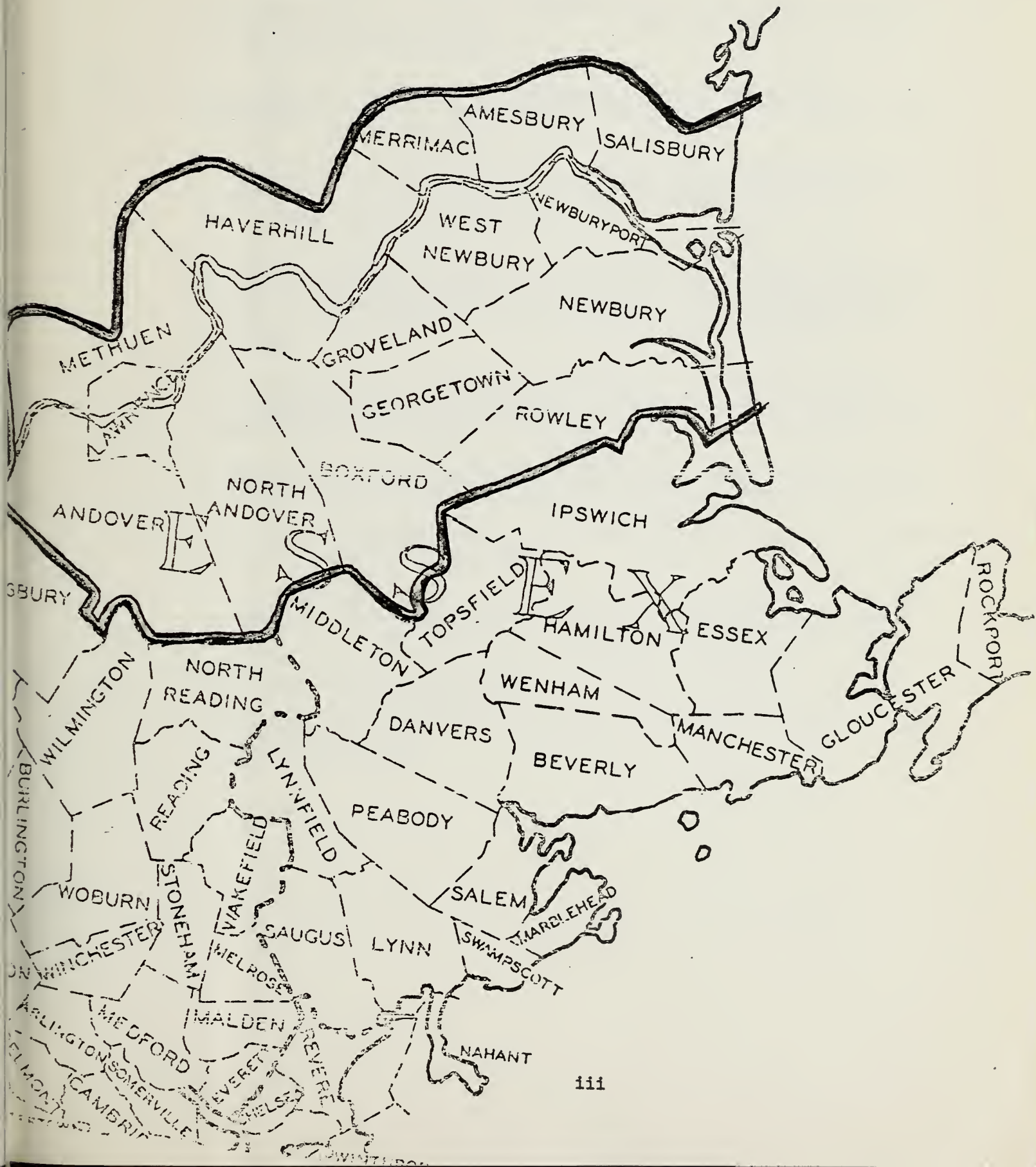


SCALE IN MILES

as defined by  
U. S. Office of Mgmt & Budget  
27 April 1973



LAWRENCE CETA AREA





## I. Highlights and Conclusions

Although there is a national recession, the economy of the Lawrence-Haverhill SMSA should remain firm as a result of employment growth in the durable goods industry.

As a result of inflation the purchasing power of the average Massachusetts family, when compared with 1977 prices, will drop from \$12,700 in 1979 to \$12,200 in 1980.

The population of the Lawrence-Haverhill SMSA has increased by 6.8 percent since 1970 with much of the growth taking place in the New Hampshire portion of the SMSA.

The higher participation rates for teenagers and women in recent years have changed the make up of the labor force. This in turn has caused the significance of the unemployment rate to change slightly when used as a measurement of the amount of economic hardship in the area.

From October 1979 to April 1980 there were 2,495 WIN applicants in the Lawrence-Haverhill Office areas. The average WIN applicant is a female between the ages of 30 and 39 years.

Durable goods employment should increase in the next 12 months while nondurable goods employment should continue to decline.

The Lawrence-Haverhill SMSA annual average employment rate decreased from 6.7 in 1978 to 6.5 in 1979.

It has been projected that for fiscal year 1981 there will be 20,558 economically disadvantaged persons in the Lawrence-Haverhill SMSA.

The number of job openings that the DES employment offices received grew by 4 percent over the year.

There is a growing demand for persons with electronic, computer, and engineering training.

## II. Description of Area

### A. Definition of the Area-Location

The Lawrence-Haverhill Massachusetts-N.H. SMSA is located in Northeastern Massachusetts and Southeastern New Hampshire. It includes the cities of Lawrence and Haverhill; the towns of Amesbury, Georgetown, Groveland, Merrimack, Methuen, North Andover, Salisbury, and West Newbury in Massachusetts; and the towns of Atkinson, Hampstead, Kingston, Newton, Plaistow, Salem, and Windham in New Hampshire.

The Lawrence CETA area includes the cities of Lawrence and Haverhill; the towns of Amesbury, Andover, Boxford, Georgetown, Groveland, Newbury, Newburyport, North Andover, Methuen, Merrimack, Rowley, Salisbury, and West Newbury.

The SMSA is well served by highway, air, bus, and water transportation facilities. The principal highways serving the area are U.S. Interstate 95 and 93 which run north and south, State Highways 28 and 110 which run east and west, and Interstate 495 which is an outer belt around Boston. There are a number of air facilities available to the area, the largest being Boston's Logan International Airport which is only 27 miles away. There are also four commercial air facilities within the area--Lawrence Municipal in North Andover, Haverhill Airport, Haverhill-Riverside Airport, and Northeast Gliderport in Salem, New Hampshire. The available major water port facilities to the SMSA are Boston, Gloucester, Portland, Maine and Portsmouth, New Hampshire.

## III. Economic Assumptions

In the last two recessions, 1970 and 1974, the economic slowdown in the Lawrence-Haverhill SMSA was greater than it was nationally. However, the current recession is expected to be worse nationally. The Lawrence-Haverhill SMSA is in a good position to ride out the national economic slowdown. The reason for this optimism is that some firms in the area expect to hire additional workers in the near future. The following are but a few of the firms that anticipate employment growth within the coming months; Intertel Inc., a high technology company, will need 150 additional workers for its new plant which is to open this July at Andover's Industrial Park; Wang Laboratories' plant at Methuen's Cerretani's Shopping Center expects to hire 50 new workers by late summer and eventually increase the payroll to 600 workers; another Wang plant, located at the former Monomac Mill in Lawrence, anticipates hiring an additional 500 workers within the next year; and Digital has plans for hiring 150 new workers at its plant in Salem, New Hampshire.

The Lawrence-Haverhill SMSA will not be completely free from the effects of the recession for some firms will be laying off workers, however, these cutbacks will be partially offset by new job openings with other firms. Unemployment rates are expected to rise by 1 - 1 1/2 percentage points over the 1979 rate. Unemployment will decline in 1981 and 1982 as the country recovers from the recession.

During 1979, inflation in Massachusetts has increased faster than wages. It is anticipated that this trend will continue through 1980 causing a two percent year-to-year decline in real per capita income. Although the average family income in 1979 was \$21,200 and is expected to increase to \$22,700 for 1980, the purchasing power will drop from \$12,700 in 1979 to \$12,200 in 1980 when compared with 1972 prices.

ASSUMPTIONS AND PROJECTIONS FOR THE ECONOMY  
COMMONWEALTH OF MASSACHUSETTS  
FEDERAL FISCAL YEAR 1981 (FFY '81)

The Job Market Research staff of the Division of Employment Security has the responsibility for analyzing and reporting changes in the State's employment and unemployment. Nevertheless, even with the most current data and with computer models of the national and state economies, projecting economic conditions is extremely difficult in these times of rapid changes. (At the national level, for example, projections of the FFY '81 average unemployment rate have been increased by almost two percentage points in a recent two-month period). The economic assumptions for Massachusetts were based on data available at the beginning of June 1980.

1. Employment

Employment by industry groups has been projected for the coming fiscal year. Detailed projections are analyzed in a later section of this report. Total unemployment in Massachusetts is expected to range around 2,705,000 for FFY '81. This is an expected decline of 5,000 from FFY '80. Wage and salary employment projections by industry group for FFY '81 range around the levels shown below:

Industry	Employment Projected FFY 1981 in 000's
TOTAL NONAGRICULTURAL EMPLOYMENT.....	2,655.4
Manufacturing - Total .....	669.4
Durable goods .....	406.1
Nondurable goods .....	263.3
Construction .....	78.0
Transportation, Communications & Public Utilities.	119.1
Wholesale and Retail Trade.....	589.2
Finance, Insurance and Real Estate.....	151.8
Services <u>1</u> /.....	626.1
Government - Total.....	421.6
Federal.....	60.8
State.....	98.1
Local.....	262.8

1/ Includes part of Agriculture and Mining

## 2. Unemployment Rate

We expect Massachusetts to average approximately one-half to one percentage point below the national average rate. As of this writing, the Data Resources Incorporated (DRI) national forecast is for an 8.5 percent average unemployment rate during FFY '81. This would give Massachusetts an average unemployment rate of about 8 percent over the same time period.

## 3. Labor Turnover

The labor turnover in Massachusetts is expected to follow the 1971 trend during which new hires and quits fell 30 percent to levels below 2.0 per 100 employees. Total accessions are expected to be fewer than total separations by a ratio of 2 to 3.

## 4. Wages and Inflation

Total wages are expected to increase by approximately 11 percent. Purchasing power is not expected to rise by as much as wages because inflation will continue to reduce the value of the dollar. During FFY '80 inflation has risen to 13.5 percent, but is expected to be less in FFY '81 -- perhaps down to 10 percent. It is doubtful that consumers will continue purchasing at the FFY '80 rate, which is already considerably lower than FFY '79 in real terms.

## 5. Credit

The cost of financing current purchases is expected to remain high, but well below the FFY '80 peak which saw a prime rate of 20 percent. The mortgage rates are projected to be around 11.0-11.5 percent in FFY'81, and consumer credit in a range of 11-12 percent. All interest rates are highly sensitive to changes in U. S. Treasury or Federal Reserve Bank policies.

6. Defense Contracts

Defense contract spending, vital to the health of the Massachusetts economy, is expected to remain stable at its current levels. Massachusetts is among the top 10 states in the receipt of defense contracts with a value greater than \$10,000. The nearly \$3 billion awarded to the Commonwealth's firms represents over 5 percent of the total awards.

7. Energy

Because the Massachusetts industrial mix is relatively nonenergy intensive, we do not expect the upward trend in energy prices to affect Massachusetts as much as the rest of the country. During 1979, industries coped with rising energy costs through conservation and conversion.

#### IV Population and Labor Force Characteristics

By 1981 the population for the Lawrence-Haverhill SMSA is projected to be 276,595. This is a 6.8 percent increase over the 1970 population. The importance of the following table is not just the total increase in population but the significant growth and decline of certain age groups in the area. The number of youth ages 0-14 years declined by 18.9 percent since 1970 as a result of a declining birth rate in recent years. The number of persons aged 15-24 expanded by 25.9 percent and was the result of many families with young children moving into the area in the 1960's and the high birth rate in the 1950's. The 36.9 percent expansion of the 30-34 year age group was caused by migration into the area and the post war high birth rate of the late 1940's.

Table 1  
Population Composition for 1970 and Population  
Projections for Fiscal Year 1981

	1970 Population	Projected 1981	Change	Percentage Change
TOTAL	258,876	276,595	+17,719	+6.8
<u>White Male</u>	122,875	129,665	+ 6,790	+5.5
0 - 14	37,349	30,322	- 7,027	-18.8
15 - 19	11,081	14,118	+ 3,037	+27.4
20 - 24	7,922	10,420	+ 2,498	+31.5
25 - 29	7,855	8,309	+ 454	+ 5.8
30 - 34	6,509	7,911	+ 1,402	+21.5
35 - 44	14,014	16,352	+ 2,338	+16.7
45 - 64	26,422	28,767	+ 2,345	+ 8.9
65+	11,723	13,466	+ 1,743	+14.9
<u>White Female</u>	133,812	144,344	+10,532	7.9
0 - 14	35,803	28,915	- 6,888	-19.2
15 - 19	11,003	13,739	+ 2,736	+24.9
20 - 24	9,668	11,448	+ 1,780	+18.4
25 - 29	8,321	9,193	+ 872	+10.5
30 - 34	6,756	10,462	+ 3,706	+54.9
35 - 44	14,178	17,329	+ 3,151	+22.2
45 - 64	29,564	31,376	+ 1,812	+ 6.1
65+	18,519	21,882	+ 3,363	+18.2
<u>Nonwhite Male</u>	1,050	1,222	+ 172	16.4
0 - 14	410	385	- 25	-6.1
15 - 19	73	159	+ 86	+117.8
20 - 24	34	110	+ 76	+223.5
25 - 29	52	69	+ 17	+32.7
30 - 34	139	42	- 97	-69.8
35 - 44	121	199	+ 78	+64.5
45 - 64	125	194	+ 69	+55.2
65+	96	64	- 32	-33.3
<u>Nonwhite Female</u>	1,139	1,364	+ 225	+19.8
0 - 14	392	383	- 9	- 2.3
15 - 19	63	163	+ 100	+158.7
20 - 24	100	122	+ 22	+ 22.0
25 - 29	65	64	- 1	-1.5
30 - 34	118	96	- 22	-18.6
35 - 44	138	200	+ 62	+44.9
45 - 64	151	224	+ 73	+48.3
65+	112	112	0	0.0

Table 2  
Population of Cities and Towns in the Lawrence  
Haverhill SMSA in 1970 and 1977

City or Town	1970	1977	Change	Percentage Change
MASSACHUSETTS PORTION	221,208	223,869	+2,661	+1.2
Lawrence	66,915	63,845	-3,070	-4.6
Haverhill	46,120	44,079	-2,041	-4.4
Amesbury	11,388	13,806	+2,418	+21.2
Georgetown	5,290	5,967	+ 677	+12.8
Groveland	5,382	5,087	- 295	-5.5
Andover	23,695	27,132	+3,437	+14.5
Merrimac	4,245	4,273	+ 28	+0.7
Methuen	35,456	35,401	- 55	-0.2
North Andover	16,284	16,267	- 17	-0.1
Salisbury	4,179	5,220	+1,041	+24.9
West Newbury	2,254	2,792	+ 538	+23.9
NEW HAMPSHIRE PORTION	37,414	47,278	+9,864	+26.4
Atkinson	2,291	3,569	+1,278	+55.8
Hampstead	2,401	3,557	+1,156	+48.1
Kingston	2,940	3,461	+ 521	+17.7
Newton	1,920	2,660	+ 740	+38.5
Plaistow	4,712	5,504	+ 792	+16.8
Salem	20,142	23,638	+3,496	+17.4
Windham	3,008	4,889	+1,881	+62.5

The Massachusetts portion of the Lawrence-Haverhill SMSA grew only 1.2 percent from 1970 to 1977 while the New Hampshire portion expanded by 26.4 percent. The towns in the Massachusetts portion that grew were Amesbury, Georgetown, Andover, Salisbury, and West Newbury. In the New Hampshire portion of the SMSA the towns that had above average growth for the area were Atkinson, Hampstead, Newton, and Windham.

Table 3  
Labor Force Participation Rates  
1970 and 1981

	Participation Rate - 1970		Participation Rate - 1981	
	White	Nonwhite	White	Nonwhite
Male				
16 - 17	44.3	19.5	65.1	30.2
18 - 19	67.2	50.0	78.3	72.6
20 - 24	85.7	88.2	87.5	85.9
25 - 34	97.2	94.8	92.7	91.8
35 - 44	97.7	90.9	92.2	91.0
45 - 64	91.2	95.2	80.5	88.7
65+	27.2	38.5	34.9	37.4
Female				
16 - 17	43.5	17.6	92.9	58.5
18 - 19	56.4	56.0	75.2	32.3
20 - 24	60.6	69.0	76.8	86.1
25 - 34	45.6	39.9	72.4	50.9
35 - 44	56.7	63.0	76.0	79.5
45 - 64	63.4	45.7	65.6	47.8
65+	12.1	12.5	10.0	12.9

From 1970 to 1981, participation rates increased substantially for teenagers and women. Inflation appears to have forced many secondary workers (females and teenagers) into the labor market since many primary workers' wages have not kept pace with inflation. This change in the composition of the labor force has also slightly changed the significance of the unemployment rate. Although a recent unemployment rate may be comparable numerically to a rate 10 years ago, the two rates do not equally represent the amount of economic hardship in the area. The recent rate was calculated using unemployment and employment figures that had a higher percentage of secondary wage earners. These secondary wage earners, teenagers and women, are not primary wage earners but workers who are in the labor force to supplement family income during recessionary times and times of high inflation.

Table 4  
Labor Force Composition for 1970  
and  
Labor Force Projections for Fiscal Year 1981

	Labor Force		Percentage
	1970	1981	Increase
TOTAL	113,248	144,504	+27.6
White Male	66,315	75,160	+13.3
White Female	46,114	68,218	+47.9
Nonwhite Male	490	604	+23.3
Nonwhite Female	329	522	+58.7

The greater percentages for females over males was the result of the female participation rate increasing at a faster rate than the males. Much of the growth in the labor force was caused by an increase in the labor force participation rate of women and teenagers rather than an increase in population.

## V. Training Programs

### WIN:

The Work Incentive Program was enacted to aid families receiving AFDC payments to obtain gainful employment or training. In the Lawrence-Haverhill SMSA there are two WIN teams in operation - one in the Lawrence Office area, and one in the Haverhill Office area.

Table 5  
Selected Characteristics of Applicants in WIN  
from  
October 1979 to April 1980

	Lawrence Applicants	Percentage	Haverhill Applicants	Percentages
TOTAL	1,254		1,241	
Female	987	78.7	957	77.1
Under 20	78	6.2	69	5.6
20-29 years old	284	22.6	305	24.6
30-39 years old	558	44.5	575	46.3
12 or more years of schooling	502	40.0	632	50.9
Spanish American	384	30.6	46	3.7
Veterans	53	4.2	79	6.4
Vietnam Veterans	29	2.3	15	1.2
45 years or older	187	14.9	136	11.0
Disadvantaged	1,247	99.4	1,238	99.8

Source: ESARS

The higher percentage of Spanish Americans in the Lawrence WIN office was the result of a heavier concentration of Spanish Americans in the city of Lawrence. A year ago Spanish Americans made up 27.8 percent of total applicants in the Lawrence Office while in the Haverhill Office they accounted for 3.3 percent.

## CETA

The Comprehensive Employment and Training Act of 1973 provides job training and employment opportunities for economically disadvantaged, unemployed and underemployed persons and assumes that training and other services lead to maximum employment opportunities which will enhance self-sufficiency. CETA offers a number of types of opportunities under Title II B (formerly known as Title I), Title II D (formerly known as Title II), and Title VI PSE (formerly known as Title VI and VIB). Title II B is that portion of the act devoted to classroom training, work experience, on-the-job training, counseling and supportive services to participants. Title II D is emergency public service employment functions of the act and other services are training, counseling, job development etc. Title IV deals with youth programs.

Table 6  
 Characteristics of Enrollers  
 In the Lawrence CETA Program  
 October 1979 to March 1980

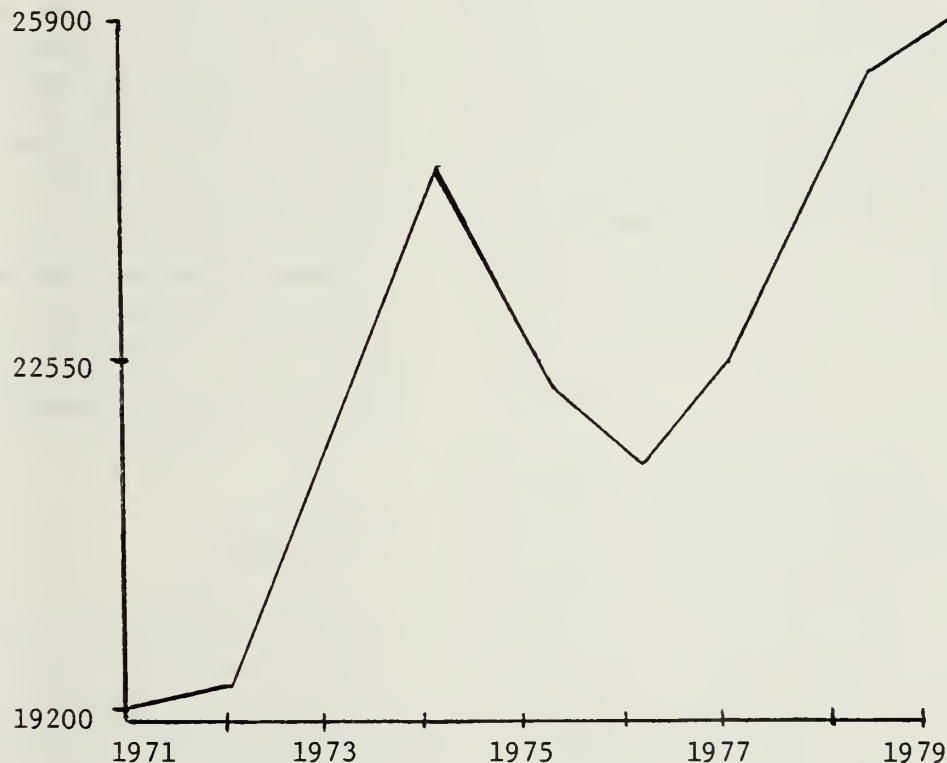
Table					
	Title II-B	Percentage	Title II-D	Percentage	Title IV
				Percentage	Percentage
TOTAL	371	100.0	115	100.0	152
Male	222	59.8	70	60.9	86
Female	149	40.2	45	39.1	66
18 and under	147	39.6	9	7.8	109
19-44 year old	197	53.1	88	76.5	43
45 years and over	27	7.3	18	15.7	0
0-8 years of school	83	22.4	14	12.2	25
9-11 years of school	153	41.2	20	17.4	102
High school graduates	103	27.8	52	45.2	21
Post high school	29	7.8	29	25.2	4
Spanish American	145	39.1	19	16.5	55
AFDC	100	27.0	9	7.8	58

Source: CETA Program Status Summary

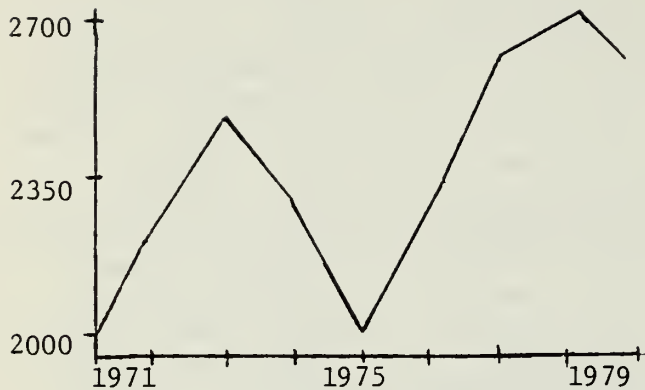
## VI. Employment Developments and Outlook by Industry

Durable goods employment plays an important role in the economy of the Lawrence-Haverhill SMSA. Although employment in the durable goods industry is only 25.4 percent of all employment covered by the unemployment insurance law, its payroll makes up 35.1 percent of the total covered payroll in the area. Because of the amount of wages generated by the durable goods industry it has a strong influence on other sectors of the economy such as wholesale and retail trade and services. In the past decade the economy of the area has been rocked by a rapidly increasing or decreasing number of durable goods workers. In 1970 durable goods employment dropped as a result of reduced defense contracts and in 1974 and 1975 by the recession. In 1977 the industry climbed back to its previous employment peak and surpassed it in 1978. This increase was spearheaded by electrical machinery which now makes up 50 percent of all durable goods produced in the area. Employment in the next few years should expand, for many durable goods firms in the area plan to expand while new firms are moving into the area.

### Durable Goods

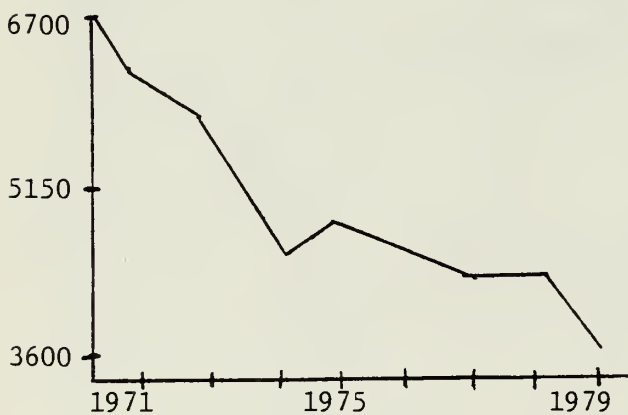


### Textiles



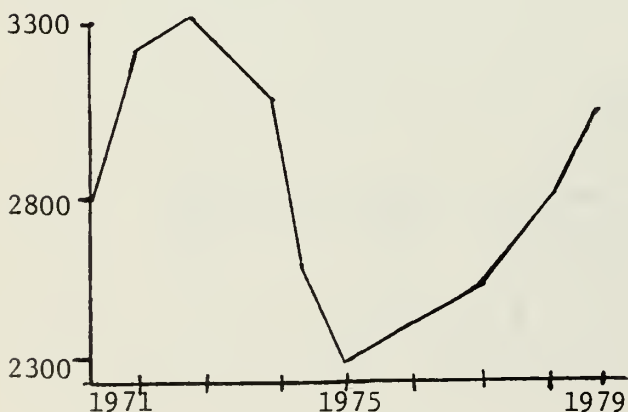
Although the textile industry played an important part in the history of the area it now totals only 2.4 percent of the area's nonfarm employment. Knitting mills are the dominating type of textile manufacturing. The industry is in a long term downtrend, however, in recent years it has had a reprieve from this trend. The slight decline in 1979 was the result of increasing competition from far eastern countries.

### Leather

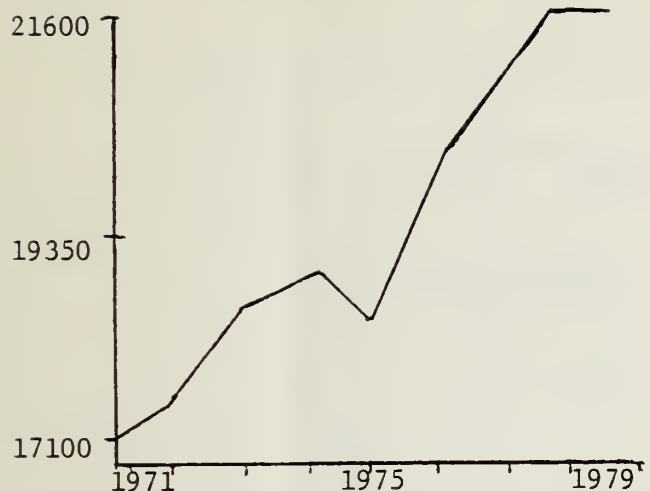


Leather employment made up 7.4 percent of nonfarm employment in 1971 but it has fallen to 3.3 percent. About 57 percent of leather workers are employed in footwear, 23 percent in boot and shoe cut stock and findings, and 10 percent in leather tanning and finishing. Of all the types of leather manufacturing, footwear had the largest decline in the past 9 years going from 4,967 to 1,903 workers. Foreign imports is the culprit in the decline in footwear employment. The area's shoe manufacturers find it especially difficult to compete with the import shoes that are at the lower end of the price range. However, foreign competition is not as keen in higher priced footwear.

### Construction

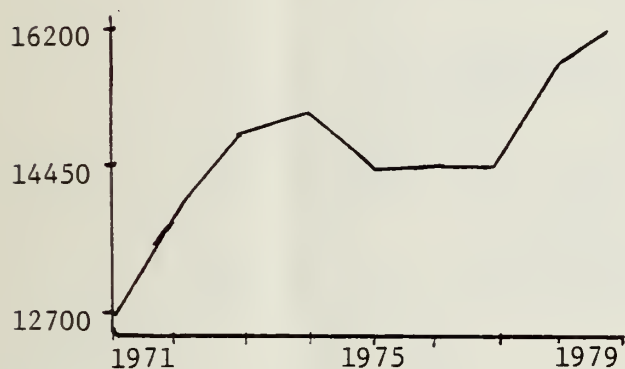


In 1979 construction employment made up 2.8 percent of nonfarm employment. Around 57.8 percent of the area's construction workers are in special trade contracting, 28.7 percent are in building construction, and 13.5 percent are in construction other than building. The growth from 1978 to 1979 was the result of expansion in building construction and special trade contractors. The outlook for building construction in the next few months is rather bleak. Building contractors are complaining that this year will be the worst year in the past 10 years as a result of high mortgage rates.



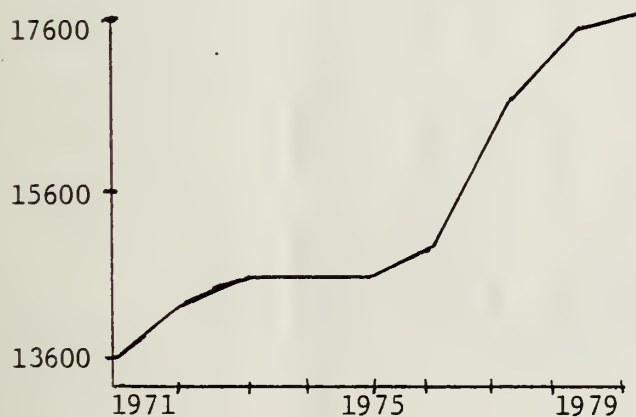
### Wholesale and Retail Trade

In 1979, 20 percent of the nonfarm jobs in the area were in wholesale and retail trade. In the past 10 years employment in this sector has always made up 19 to 20 percent of the total nonfarm employment. However, employment ratios of the different industries within this sector have changed. The number of jobs in eating and drinking places has gone from 22.0 percent in 1971 of the total sector to 24.8 percent in 1979. In the same time period employment in food stores went from 11.2 percent to 13.3 percent. Automotive dealers and gasoline stations went from 12.3 percent to 10.0 percent.



### Service

About 15 percent of all nonfarm jobs in the area are in the service sector. For the past 9 years the service sector was one of the fastest growing sectors in the economy. Only government employment grew at a faster rate and wholesale and retail trade grew at a slightly slower rate. The industry in the service sector that expanded the most rapidly was medical and health services which increased from 33.5 to 43.0 percent of total service employment.



### Government

Government employment makes up 16.3 percent of total nonfarm employment. Since 1975, government employment grew rapidly as a result of city and town governments expanding their payrolls in order to meet the demand of an ever more complicated world. New employees were needed to perform such functions as applying for federal funds which have become available in recent years, and meeting new educational and service needs of its citizens. The present emphasis on less taxation should slow down the rate of growth for government employment.

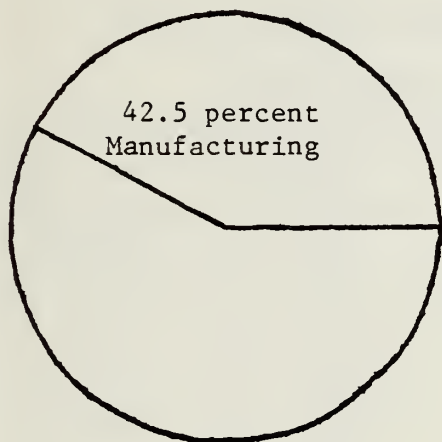
Table 7  
Lawrence-Haverhill, Massachusetts - N.H. SMSA  
Nonagricultural Wage and Salary Employment

	1971	1972	1973	1974	1975	1976	1977	1978	1979
Nonagricultural Wage and Salary Employment	90.2	93.6	98.5	99.8	94.7	94.7	99.0	106.6	108.2
Manufacturing Total	38.3	38.3	40.6	41.7	38.4	36.5	37.4	41.2	41.3
Durable Goods	19.2	19.4	21.9	24.9	22.2	21.4	22.7	25.7	25.9
Machinery (exec. elec.)	2.2	2.2	2.4	2.6	2.2	2.8	3.3	4.4	4.6
Other Durable Goods	17.0	17.2	19.5	22.3	20.2	18.6	19.4	21.3	21.3
Nondurable Goods	19.1	18.9	18.7	16.8	16.2	15.1	14.7	15.5	15.4
Textiles	2.0	2.2	2.4	2.3	2.0	2.3	2.6	2.7	2.6
Paper	1.4	1.3	1.4	1.4	1.3	1.3	1.2	1.3	1.3
Rubber & Misc. Plastics	2.6	2.8	3.2	2.9	2.4	1.4	1.4	1.7	1.9
Leather	6.7	6.2	5.7	4.4	4.7	4.5	4.2	4.3	3.6
Other Nondurable Goods	6.4	6.4	6.0	5.8	5.8	5.6	5.3	5.5	6.0
Nonmanufacturing - Total	51.9	55.3	57.9	58.1	56.3	58.2	61.6	65.4	66.9
Construction	2.8	3.2	3.3	3.0	2.3	2.4	2.5	2.7	3.0
Transportations, Communications, Utilities	2.9	3.3	3.7	3.6	3.5	3.7	4.0	4.2	4.6
Trade	17.1	17.5	18.5	18.8	18.4	19.5	20.9	21.6	21.6
Finance, Insurance, and Real Estate	2.8	2.9	3.1	3.3	3.3	3.4	3.6	3.8	3.9
Service, Miscellaneous									
Mining	12.7	14.1	14.8	14.9	14.3	14.3	14.3	15.6	16.2
Government	13.6	14.3	14.5	14.5	14.5	14.9	16.3	17.5	17.6

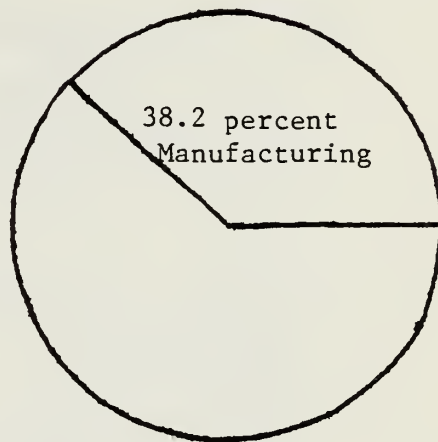
Ratio of Manufacturing to Nonagricultural Wage and Salary Employment  
Lawrence-Haverhill SMSA, Massachusetts, United States 1970 and 1979

Lawrence-Haverhill SMSA

1971

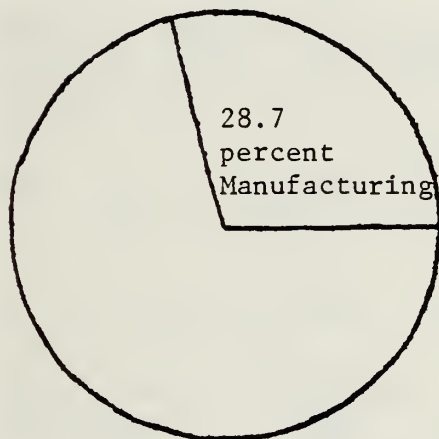


1979

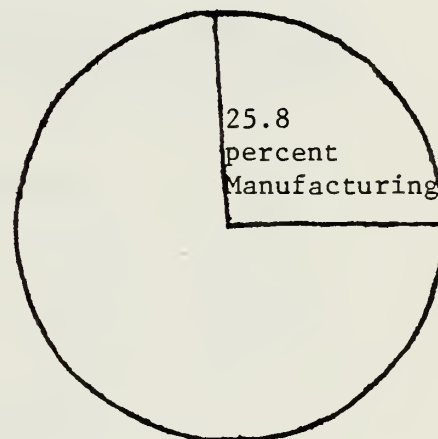


Massachusetts

1971

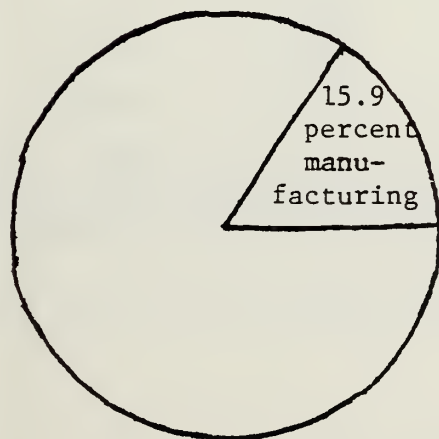


1979

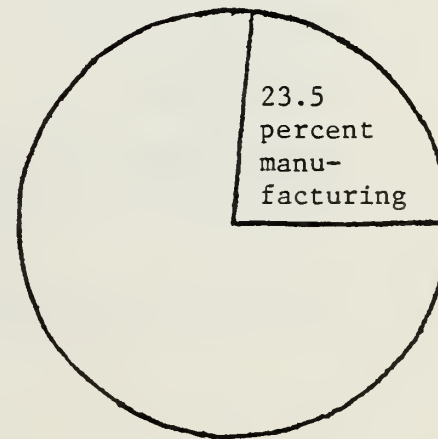


United States

1971



1979



In the past 8 years the ratio of manufacturing to nonagricultural wage and salary employment in the Lawrence-Haverhill SMSA and the state decreased while the opposite was true for the nation.

## VII Recent Unemployment Trends and Projections

Table 8  
Unemployment Rates for 1978 and 1979

	1978	1979	Percentage Change
Massachusetts	6.1	5.5	-9.8
United States	6.0	5.8	-3.3
Lawrence-Haverhill SMSA	6.7	6.5	-3.0

Massachusetts and the United States unemployment rate declined faster than the Lawrence-Haverhill SMSA rate. However, in the previous year the Lawrence-Haverhill SMSA had the fastest declining rate.

Table 9  
Additional Unemployment Projections  
Fiscal Year 1981

	Unemployment	Unemployment Rate	Long-Term <sup>1/</sup> Unemployment	No. of Different Individuals Unemployed During the Year
TOTAL	11,705	8.1	3,785	40,072
White Male	5,991	8.0	2,166	
White Female	5,642	8.3	1,546	
Nonwhite Male	27	4.5	INA*	
Nonwhite Female	45	8.7	INA*	

\*Figures too small to yield reliable estimates

<sup>1/</sup> persons who are unemployed 15 weeks or more in one year

Table 9 (continued)  
Additional Unemployment Projections  
for  
Fiscal Year 1970 and 1981

	1970 Unemployment	Rate	1981 Unemployment	Rate
White Male	2,457	4.1	5,991	8.0
16 - 17	176	8.8	581	15.8
18 - 19	169	7.9	525	11.9
20 - 24	417	6.9	1,031	11.3
25 - 34	412	3.3	1,002	6.7
35 - 44	375	3.1	847	5.6
45 - 64	661	3.0	1,181	5.1
65+	274	8.6	823	17.5
White Female	1,746	4.2	5,642	8.3
16 - 17	148	8.5	846	16.6
18 - 19	109	4.8	363	8.8
20 - 24	276	5.2	954	10.9
25 - 34	204	3.3	901	6.3
35 - 44	245	3.4	813	6.2
45 - 64	635	3.7	1,489	7.2
65+	129	6.4	277	12.6

The highest unemployment rates for both sexes were in the age categories from 16 to 24 and 65 and over.

Table 10  
Age and Average Weekly Earnings of the Insured Unemployed  
Lawrence-Haverhill Labor Area  
September 1979

	Total		Males		Females	
	Number	Per.	Number	Per.	Number	Per.
TOTAL	4,106	100.0	1,755	100.0	2,351	100.0
Age Groups						
Total	4,106	100.0	1,755	100.0	2,351	100.0
Under 20	--	--	--	--	--	--
Under 25	679	16.5	366	20.9	313	13.3
25 - 34	1,162	28.3	559	31.9	603	25.6
35 - 44	713	17.4	260	14.8	453	19.3
45 - 54	583	14.2	140	8.0	443	18.8
55 - 64	616	15.0	223	12.7	393	16.7
65 and over	353	8.6	206	11.7	147	6.3
Weekly Earnings						
Total	4,089	99.6	1,748	99.6	2,346	99.6
Under \$100	833	20.3	206	11.7	626	26.6
\$100-\$149	1,092	26.6	290	16.5	803	34.2
\$150-\$199	956	23.3	400	22.8	556	23.6
\$200-\$249	543	13.2	306	17.4	236	10.0
\$250-\$299	310	7.5	240	13.7	70	3.0
\$300 +	356	8.7	306	17.4	50	2.1

Separation Reason

Layoff	3,290	89.0
Quit Voluntary Retirement	10	0.3
Quit Pregnancy	13	0.4
Quit Other	83	2.2
Discharges	200	5.4
Labor Dispute	--	--
Other/INA	100	2.7

All Programs  
Number    Percent

Industry Attach.

Manufacturing	1,096	29.7
Con. Construction	153	4.1
Tran./Util.	233	6.3
Whol/Ret. Trade	653	17.7
Fin/Ins/R.E.	67	1.8
Services	500	13.5
Governments	949	25.7
Others	37	1.0
I.N.A.	10	0.3

Table 11  
Duration Most Recent Spell (All Programs)  
Lawrence-Haverhill Labor Area  
September 1979

	Total	0-4 Weeks	5-14 Weeks	15-26 Weeks	27+ Weeks
TOTAL	4,106	1,072	2,231	686	117
Occupation					
Prof., Tech. Mgt.	609	123	356	103	27
Clerical/Sales	1,089	216	646	216	10
Services	380	60	253	67	--
Farm., Fish., Furs	27	7	10	3	7
Processing	47	10	23	10	3
Machine Trades	406	153	183	53	17
Bench Work	673	280	263	100	30
Structural	300	100	133	57	10
Misc. Work	576	123	363	77	13
INA	--	--	--	--	--
Industry Attach.					
Manufacturing	1,495	546	633	260	57
Construction	153	63	57	27	7
Trans./Util.	233	27	200	7	--
Whol/Ret/Trade	656	117	383	137	20
Fin/Ins/R.E.	70	3	43	23	--
Services	500	83	310	90	17
Governments	952	213	593	133	13
Others	37	13	10	10	3
INA	10	7	3	--	--
Males	1,755	456	872	370	57
Under 20	--	--	--	--	--
Under 25	366	103	183	67	13
25 - 34	559	130	296	117	17
35 - 44	260	90	117	37	17
45 - 54	140	43	60	33	3
55 - 64	223	57	100	60	7
65 + over	206	33	117	57	--
Females	2,351	616	1,359	316	60
Under 20	--	--	--	--	--
Under 25	313	110	113	73	17
25 - 34	603	170	340	77	17
35 - 44	453	70	333	50	--
45 - 54	443	113	266	53	10
55 - 64	393	123	213	47	10
65 + over	147	30	93	17	7

Table 12  
Selected Characteristics of Insured Unemployed  
Lawrence Office  
September 1979

	All Programs	
	Number	Percent
TOTAL	2,428	100.0
Age		
Under 20	--	--
Under 25	426	17.5
25 - 34	706	29.1
35 - 44	396	16.3
45 - 54	356	14.7
55 - 64	346	14.3
65 + over	196	8.1
INA	--	--
Sex		
Men	1,086	44.7
Women	1,342	55.3
INA	--	--
Ethnic Group		
White	2,214	91.2
Non-White	213	8.8
INA	--	--
Spanish Surname	220	9.1
Occupation		
Prof., Tech., Mgt.	350	14.4
Clerical/Sales	746	30.7
Services	220	9.1
Farm., Fish., For.	10	0.4
Processing	37	1.5
Machine Trades	240	9.9
Bench Work	316	13.0
Structural	186	7.7
Misc. Work	323	13.3
INA	--	--
Recent Duration		
0-9 Weeks	1,505	62.0
10-19 Weeks	669	27.6
20-29 Weeks	243	10.0
30 + Weeks	10	0.4

Table 12  
Selected Characteristics of Insured Unemployed  
Lawrence Office  
September 1979 (cont.)

	All Programs	
	Number	Percent
Industry Attach.		
Manufacturing	803	33.1
Con. Construction	103	4.2
Tran./Util.	110	4.5
Whol./Ret. Trade	383	15.8
Fin/Ins./R.E.	43	1.8
Services	310	12.8
Governments	669	27.6
Others	7	0.3
INA	--	--
Average Weekly Wage		
Under \$100	433	17.8
\$100 - \$149	656	27.0
\$150 - \$199	546	22.5
\$200 - \$249	376	15.5
\$250 - \$299	193	7.9
\$300 or More	220	9.1
INA	3	0.1
Separation Reason		
Layoff	2,188	90.1
Quit Vol. Retire.	3	0.1
Quit Pregnancy	10	0.4
Quit Other	67	2.8
Discharges	93	3.8
Labor Dispute	--	--
Other/INA	67	2.8

Table 13  
Selected Characteristics of Insured Unemployed  
Haverhill Office  
September 1979

	All Programs	
	Number	Percent
TOTAL	916	100.0
Age		
Under 20	--	--
Under 25	130	14.2
25 - 34	283	30.9
35 - 44	160	17.5
45 - 54	140	15.3
55 - 64	120	13.1
65 + over	83	9.1
INA	--	--
Sex		
Men	396	43.2
Women	519	56.7
INA	--	--
Ethnic Group		
White	906	98.9
Non-White	10	1.1
INA	--	--
Spanish Surname	--	--
Occupation		
Prof., Tech., Mgt.	163	17.8
Clerical/Sales	276	30.1
Services	113	12.3
Farm., Fish., For.	7	0.8
Processing	10	1.1
Machine Trades	37	4.0
Bench Work	103	11.2
Structural	67	7.3
Misc. Work	140	15.3
INA	--	--
Recent Duration		
0-9 Weeks	576	62.9
10-19 Weeks	263	28.7
20-29 Weeks	70	7.6
30 + Weeks	7	0.8

Table 13  
 Selected Characteristics of Insured Unemployed  
 Haverhill Office  
 September 1979 (cont.)

	All Programs	
	Number	Percent
Industry Attach.		
Manufacturing	200	21.8
Con. Construction	30	3.3
Tran./Util.	83	9.1
Whol/Ret. Trade	210	22.9
Fin/Ind/R.E.	20	2.2
Services	140	15.3
Governments	223	24.3
Others	10	1.1
INA	--	--
Average Weekly Wage		
Under \$100	260	28.4
\$100 - \$149	210	22.9
\$150 - \$199	206	22.5
\$200 - \$249	97	10.6
\$250 - \$299	57	6.2
\$300 or More	80	8.7
INA	7	0.8
Separation Reason		
Layoff	769	84.0
Quit Vol. Retire.	--	--
Quit Pregnancy	3	0.3
Quit Other	10	1.1
Discharges	103	11.2
Labor Dispute	--	--
Other/INA	30	3.3

Table 14  
Selected Characteristics of Insured Unemployed  
Lawrence CETA  
September 1979

	All Programs	
	Number	Percent
TOTAL	4,076	100.0
Age		
Under 20	--	--
Under 25	686	16.8
25 - 34	1,209	29.7
35 - 44	729	17.9
45 - 54	599	14.7
55 - 64	546	13.4
65 + over	306	7.5
INA	--	--
Sex		
Men	1,815	44.5
Women	2,261	55.5
INA	--	--
Ethnic Group		
White	3,853	94.5
Non-White	223	5.5
INA	--	--
Spanish Surname	220	5.4
Occupation		
Prof., Tech., Mgt.	673	16.5
Clerical/Sales	1,149	28.2
Services	416	10.2
Farm., Fish., For.	30	0.7
Processing	47	1.2
Machine Trades	333	8.2
Bench Work	490	12.0
Structural	330	8.1
Misc. Work	609	14.9
INA	--	--
Recent Duration		
0-9 Weeks	2,554	62.7
10-19 Weeks	1,076	26.4
20-29 Weeks	420	10.3
30 + Weeks	27	0.7

Table 14  
Selected Characteristics of Insured Unemployed  
Lawrence CETA  
September 1979 (cont.)

	All Programs	
	Number	Percent
Industry Attach.		
Manufacturing	1,166	28.6
Con. Construction	193	4.7
Tran./Util.	286	7.0
Whol./Ret. Trade	733	18.0
Fin./Ins./R.E.	67	1.6
Services	583	14.3
Governments	992	24.3
Others	37	0.9
INA	20	0.5
Average Weekly Wage		
Under \$100	869	21.3
\$100 - \$149	1,006	24.7
\$150 - \$199	896	22.0
\$200 - \$249	543	13.3
\$250 - \$299	323	7.9
\$300 or More	420	10.3
INA	20	0.5
Separation Reason		
Layoff	3,640	89.3
Quit Vol. Retire.	13	0.3
Quit Pregnancy	13	0.3
Quit Other	90	2.2
Discharges	216	5.3
Labor Dispute	--	--
Other/INA	103	2.5

VIII. Individuals in Need of Employment Services

a. Characteristics of the Economically Disadvantaged

The term economically disadvantaged individual means an individual who is a member of a family that:

1. Receives cash welfare payments, or
2. Has a total family income which, in relation to family size, does not exceed the poverty level determined in accordance with criteria established by the Office of Management and Budget

Table 15  
Poverty-Level Guidelines for 1980 in the Continental U.S.

Family Size	Nonfarm	Farm
1	4,370	3,760
2	5,770	4,940
3	7,170	6,120
4	8,570	7,300
5	9,970	8,480
6	11,370	9,660

Table 16  
Additional Planning Data Projections

Fiscal Year 1981

Lawrence-Haverhill SMSA

	Employed Part-Time for Economic Reasons
TOTAL	4,530
White Male	1,865
White Female	2,617
Nonwhite Male	21
Nonwhite Female	27

Table 17

	Economically Disadvantaged 18 Year and Over
TOTAL	20,558
White	20,339
Black	194
Other	25
Spanish	1,150

Table 18  
Characteristics of Job Applicants

For October 1977 to April 1978  
and  
For October 1978 to April 1979  
and  
October 1979 to April 1980  
In the Lawrence and Haverhill Offices

	1977 to 1978	Percentage	1978 to 1979	Percentage	1979 to 1980	Percentage
TOTAL	13,596		11,138		12,268	
Males	7,161	52.7	5,691	51.1	6,350	51.8
Under 20	2,002	14.7	1,733	15.5	2,146	17.5
20 - 24	3,116	22.9	2,605	23.4	2,833	23.1
25 - 29	2,199	16.2	1,876	16.8	1,979	16.1
30 - 44	3,865	28.4	3,336	30.0	3,507	28.6
45 - 64	2,264	16.7	1,503	13.5	1,625	13.2
65 and over	150	1.1	85	0.8	178	1.5
Spanish American	1,169	8.6	1,387	12.5	1,647	13.4
Highest School Grade						
0 - 7	813	6.0	610	5.5	725	5.9
8 - 11	4,981	36.6	4,030	36.2	4,484	36.5
12	5,218	38.4	4,378	39.3	4,658	38.0
Over 12	2,584	19.0	2,120	19.0	2,401	19.6

Source: ESARS

In the past three years there has been an upward trend in the percentage of applicants that were teenagers, and Spanish American.

IX. Labor Supply - Demand/Imbalances

Table 19  
Job Openings Received and Filled  
In the Lawrence and Haverhill Employment Offices  
October 1978 to April 1979 and October 1979 to April 1980

	Openings Received		Openings Filled	
	1979	1980	1979	1980
Occupations				
Total	4,796	4,973	3,288	3,296
Professional, Tech. Managerial	497	232	262	117
Clerical	1,291	1,419	907	1,005
Sales	300	296	223	236
Domestics	8	9	3	1
Other Services	591	771	388	491
Processing	156	198	95	117
Machine Trades	334	361	243	249
Benchwork	519	800	401	603
Structural	516	209	369	131
Motor Freight Transportation	150	135	90	65
Packaging and Materials				
Handling	385	352	287	225
Other	49	191	20	56

Source: ESARS

The occupations that had an increase in the number of job openings received were clerical, services, processing, machine trades, and benchwork. There was a substantial decrease in structural openings as a result of the slowdown in the construction industry.

Table 20  
Occupations of Applicants  
In the Lawrence and Haverhill Employment Service Offices  
That Have a Higher Than Average 1/ Number  
of Applicants to Job Openings  
April 1979

Occupations	Number of Applicants	Unfilled Job Openings	Ratio of Job Openings to Applicants <u>2</u> /
Mechanical Engineering	13	0	13
Industrial Engineering	9	0	9
Surveyors	7	0	7
Registered Nurses	10	0	10
Licensed Practical Nurse	12	0	12
Elementary Teacher	7	0	7
Accountant	10	0	10
Purchasing Manager	8	0	8
Sales Manager	11	0	11
Office Manager	14	0	14
Construction Manager	7	0	7
Manufacturing Manager	12	0	12
Wholesale and Retail Trade Manager	47	1	47
Finance, Insurance, and Real Estate Manager	20	1	20
Secretarial Worker	79	9	9
Bookkeeper	37	2	19
Cashier	13	1	13
Bookkeeper, Machine Operator	16	1	16
Receptionist	22	1	22
Salespersons	33	1	33
Child Monitor	21	0	21

Table 20 (continued)  
Occupations of Applicants  
In the Lawrence and Haverhill Employment Service Offices  
That Have a Higher Than Average 1/ Number  
of Applicants to Job Openings  
April 1979

Occupations	Number of Applicants	Unfilled Job Openings	Ratio of Job Openings to Applicants <u>2/</u>
Waiter/Waitress	80	7	11
Cosmetologist	11	0	11
Attendant Work	126	17	7
Nurse Aide	102	13	8
Janitor	43	3	14
Automobile Mechanic	42	2	21
Textile Machine Work	14	1	14
Spray Painting	17	0	17
Fabrication and Repair of Footwear	192	32	6
Resistance Welding	13	0	13
Maintenance Work	29	2	15
Carpentry and Related Work	73	8	9
Brick Layer	8	0	8
Plumbing, Gas Fitting, and Related Work	16	1	16
Roofer	10	0	10
Trailer-Truck Driving	40	0	40
Truck Driver, Heavy	53	1	53
Automobile Service-Station Attendant	12	0	12
Hoisting and Conveying	30	1	30
Industrial Truck Operator	20	0	20

Source: ESARS      1/ Average is 3.6 applicants to every job opening

2/ Rounded to the nearest whole number

Table 21  
Occupations of Applicants  
In the Lawrence and Haverhill Employment Service Offices  
That Have a Higher Than Average 1/ Number  
of Job Openings to Applicants  
April 1980

Occupations	Number of Applicants	Unfilled Job Openings	Ratio Job Openings to Applicants <u>2/</u>
Psychologist	12	7	1
Personnel Worker	70	57	1
Counter Attendant	35	41	1
Horticultural Worker	48	129	3
Extruding Worker	5	12	2
Processing, assorted Materials Worker	11	26	2
Chimney Repairer	28	39	1
Maintenance-Repairer Helper for Factory or Mill	4	20	5
Light Truck Driver	27	27	1

Source: ESARS     1/ Average is one job opening for every 3.6 applicants

2/ Rounded to the nearest whole number

# X. Employment and Outlook by Occupation

Many high technology firms are either moving or expanding within the Lawrence-Haverhill SMSA; therefore, there is a growing demand for persons with electronic, computer, and engineering training.

Table 22  
Occupations That are Expected to Have Above  
Average Percentage Growth Rate for  
1974 to 1985

Occupations	1974	1985	Annual Average Increase	Percentage Increase
Chemical Technicians	86	110	2	27.0
Drafters	732	889	14	21.0
Electrical, Electronic Tech.	533	675	13	27.0
Industrial Engineering Tech.	72	97	2	34.7
Mechanical Engineering Tech.	51	62	1	21.6
Surveyors	106	124	2	17.0
Engineering, Science Tech. n.e.c.	336	401	6	19.3
Dentist	147	209	6	42.2
Optometrists	12	17	--	41.7
Physicians, M.D. Osteopaths	293	380	8	29.7
Therapists	134	196	6	46.3
Veterinarians	11	16	--	45.5
Dental Hygienists	42	115	7	173.5
Health Record Technology Tech.	9	11	--	22.2
Therapy Assistants	4	8	--	46.9
Other Health Technology Tech.	32	47	1	46.9
Airplane Pilots	28	38	1	35.7
Air Traffic Controller	17	21	--	23.5
Tool Programers, Numerical	6	8	--	33.5
Other Technicians, exc. Health	96	162	6	68.8
Computer Programers	343	378	3	10.2
Computer Systems Analysts	193	256	6	32.6
Economists	113	144	3	27.4
Editors and Reporters	185	215	3	16.2
Musicians and Composers	100	121	2	21.0
Painters and Sculptors	135	163	3	20.7
Photographers	135	147	1	8.9
Writers, Artists, Entertainers n.e.c.	97	159	6	63.9
Clergy	289	323	3	11.8
Librarians	95	154	5	62.1
Operations, Systems Research	184	266	7	44.6
Bank, Financial Managers	551	666	10	20.9
Credit Managers	78	90	1	15.4

Table 22  
Occupations That Are Expected to Have Above  
Average Percentage Growth Rate for  
1974 to 1985  
(continued)

Occupations	1974	1985	Annual Average Increase	Percentage Increase
Buyers, Wholesale, Retail	221	289	6	30.8
Purchasing Agents, Buyers n.e.c.	232	286	5	23.3
Sales Manager	903	1,136	21	25.8
Health Administrators	217	256	4	18.0
Office Managers	361	444	8	23.0
Demonstrators	36	48	1	33.3
Hucksters and Peddlers	217	245	3	12.9
Sales and Sales Workers n.e.c.	4,490	5,075	53	13.0
Secretaries, Legal	175	221	4	26.3
Secretaries, Medical	129	167	3	29.5
Secretaries, Other	2,780	3,573	72	28.5
Billing Clerks	181	233	5	28.2
Clerical Supervisors	370	423	5	14.3
Counter Clerks, exc. Food	385	443	5	15.1
Expeditors, Prod. Controllers	544	695	14	27.8
Insurance Adjust, Examiner	147	171	2	16.3
Library Attendants	244	280	3	14.8
Receptionists	352	410	5	16.5
Misc. Clerical Workers n.e.c.	1,700	2,652	87	56.0
Carpenters and Apprentices	1,253	1,470	20	17.3
Bulldozer Operators	90	131	4	45.6
Excavating, Grading, Machine Opr.	206	261	5	26.7
Plumbers, Pipefitters, and Appr.	452	555	9	22.8
Roofer and Slaters	232	285	5	22.8
Opticians, Lens Grinder, Polisher	18	27	1	50.0
Metal Platers	100	121	2	21.0
Welders and Flame Cutters	327	374	4	14.4
Winding Operatives, n.e.c.	742	884	13	19.1
Cleaning Service Workers	2,153	2,825	61	31.2
Lodging Quotes Cleaners	167	229	6	37.1
Bldg. Interior Cleaners n.e.c.	640	891	23	39.2
Janitors and Sextons	1,346	1,706	33	26.7
Bartenders	272	322	5	18.4
Cooks	992	1,333	31	37.0
Dishwashers	327	389	6	19.0
Food Counter Workers	485	658	16	35.7

Table 23  
Occupations Which are Declining in Numbers

Occupation	1974	1985	Decrease
Biological Scientists	18	15	3
Dietitians	30	29	1
Stenographers	58	27	31
Calculating Machine Oper.	39	28	11
Key punch Operators	699	505	194
Mail Carriers, Post Office	264	248	16
Telephone Operators	764	534	230
Machinists and Apprentices	807	764	43
Millwrights	117	94	23
Pattern and Model Makers	131	92	39
Composition and Typesetters	195	167	28
Power Station Operators	40	31	9
Telephone Line Instal., Splicer	100	62	38
Furniture and Wood Finishers	50	45	5
Shoe Repairers	131	73	58
Stationary Engineers	193	166	27
Tailors	96	84	12
Semiskilled Metal Working	1,427	1,351	76
Lathe, Milling Machine Oper.	162	147	15
Solderers	348	244	104
Knitters, Loopers, & Toppers	72	54	18
Graders & Sorters, Mfg.	90	76	14
Garage Workers, Gas Station Attendants	435	383	52
Mixing Operatives	112	102	10
Oilers, Greasers, Exc. Auto	32	22	10
Shoemaking Machine Operatives	966	588	378
Bus Drivers	242	236	6
Parking Attendants	21	15	6
Taxicab Drivers, Chauffeurs	170	144	32
Barbers	167	118	49
Elevator Operators	38	23	15
Firefighters	648	583	65
Private Household Workers	267	151	116

Source: Occupation-Industry Research Department

THE FOLLOWING ESARS TABLES HAVE BEEN ENCLOSED TO FOCUS ON THE CHARACTERISTICS OF APPLICANTS REGISTERED IN EMPLOYMENT SERVICE OFFICES FROM OCTOBER 1979 THROUGH MAY 1980. TABLE 96, WHICH LISTS THE OCCUPATIONAL ATTACHMENT OF APPLICANTS, GIVES ONLY THE RESPECTIVE DOT CODES. ENCLOSED AFTER THE TABLE IS THE DOT CODES WITH THEIR COMPATIBLE OCCUPATIONAL TITLES.

FOR FURTHER ASSISTANCE CONTACT THE RESEARCH LIBRARY, DIVISION OF EMPLOYMENT SECURITY, CHARLES F. HURLEY BUILDING, BOSTON, MASSACHUSETTS 02114.

TABLE 96

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

05/31/80

MASSACHUSETTS

SMSA 4160

TABLE 96

ITEM NO.	OCCUPATIONAL CODE	TOTAL	C	D	E	F	G	H	I	J	K	L	M	N	O
96	TOTAL	14280	6377	3186	681	1888	900	1131	2627	6452	2064	3859	2110	1681	
96	0-1	1302	588	271	122	40	121	32	113	260	84	122	74	62	
96	00-16	867	397	205	72	33	75	20	77	198	76	93	55	45	
96	18	347	149	42	45	4	43	5	24	40	6	23	7	5	
96	19	88	42	24	5	3	3	7	12	22	2	6	12	12	
96	2	3410	1278	968	85	332	200	101	466	2011	809	1387	378	329	
96	20-24	2646	1085	873	62	282	153	96	416	1705	759	1146	333	287	
96	25-29	764	193	95	23	50	47	5	50	306	50	241	45	42	
96	3	2261	1016	655	70	311	147	150	592	1253	179	554	607	523	
96	30	137	76	74	0	8	21	45	71	12	0	2	6	4	
96	31-39	2124	940	581	70	303	126	105	521	1241	179	552	601	519	
96	4	304	173	45	8	125	5	50	100	133	3	16	140	135	
96	5	339	177	47	29	26	23	45	50	227	113	136	44	30	
96	6	505	505	174	77	85	89	133	158	415	124	281	65	46	
96	7	1646	711	462	39	105	142	174	313	1122	478	734	295	126	
96	8	1206	532	30	120	133	45	42	105	319	94	157	212	164	
96	9	1896	789	231	118	248	105	189	279	652	164	437	149	123	
96	90-91	492	202	16	56	41	21	12	59	177	57	122	21	13	
96	92	1301	546	207	45	198	75	171	207	452	105	298	126	108	
96	93-97	103	41	8	17	9	9	6	13	23	2	17	2	2	
96	X-ENTRY TOTAL	4	4	3	1	0	1	0	4	0	0	0	0	0	
96	0-1	2	2	2	0	0	0	0	2	0	0	0	0	0	
96	2	1	1	1	0	0	1	0	1	0	0	0	0	0	
96	8	1	1	0	1	0	0	0	1	0	0	0	0	0	

SMSA 4160

MONTHLY YEAR TO DATE

FOR PERIOD ENDING 05/31/80

PAGE 001

TABLE 96  
APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS				
		TOTAL REGIS- TERED APPS . ACTIVE . ANYTIME, THIS FY.	TOTAL FEMALE	VETERAN.	AGE GROUPS UNDER 22 . 45 AND OLDER	MINOR- ITY	ECONOM- ICALLY DISAD- VANTAGED	TOTAL RE- CEIVED	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING.	OPENING, OPENING, UNFILLED OPEN REC'D, FILLED	N	O				
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O		
96	001	4	2	1	0	0	0	0	0	0	0	0	0	0		
96	001261-010	4	1	1	0	0	1	1	0	33	24	11	0	0		
96	003	28	11	0	3	0	0	0	0	0	0	0	1	0		
96	003061-010	2	1	0	0	0	0	0	0	1	1	0	1	1		
96	003161-014	15	6	0	2	0	1	1	0	25	17	10	0	0		
96	003281-010	1	1	0	0	0	0	0	0	0	0	0	0	0		
96	003281-014	1	0	0	0	0	0	0	0	3	3	1	0	0		
96	005	7	6	1	1	0	0	0	0	0	0	0	0	0		
96	005061-014	4	3	0	1	0	0	0	0	0	0	0	0	0		
96	005281-010	2	2	1	0	0	0	0	0	0	0	0	0	0		
96	007	36	20	1	6	2	6	1	2	10	7	5	3	0		
96	007061-014	2	1	0	0	0	0	0	0	0	0	0	0	0		
96	007161-026	1	0	0	0	0	0	0	0	0	0	0	0	0		
96	007281-010	14	5	0	0	1	0	1	0	4	2	3	0	0		
96	008	5	3	0	1	0	1	0	0	0	0	0	0	0		
96	008061-018	4	2	0	1	0	0	0	0	0	0	0	0	0		
96	011	1	0	0	0	0	0	0	0	5	5	0	0	0		
96	012	34	14	1	5	0	4	1	0	9	5	4	2	0		
96	012167-066	4	1	0	0	0	0	0	0	0	0	0	0	0		
96	013	1	0	0	0	0	0	0	0	0	0	0	0	0		
96	014	1	0	0	0	0	0	0	0	0	0	0	0	0		
96	015	0	0	0	0	0	0	0	0	1	1	0	0	0		
96	017	11	5	0	0	2	0	0	2	4	0	2	1	0		
96	018	15	7	0	2	0	1	0	0	0	0	0	0	0		
96	019	4	0	0	0	0	0	0	0	0	0	0	0	0		
96	020	15	4	1	1	0	0	0	0	2	1	1	1	0		
96	020067-014	1	0	0	0	0	0	0	0	0	0	0	0	0		
96	020162-014	3	1	0	0	0	0	0	0	1	0	0	1	0		
96	020167-022	0	0	0	0	0	0	0	0	1	1	0	0	0		
96	022	7	4	2	0	0	1	0	0	0	0	0	0	0		
96	022061-010	5	3	1	0	0	0	0	0	0	0	0	0	0		
96	022261-010	1	1	1	0	0	0	0	0	0	0	0	0	0		
96	023	1	0	0	0	0	0	0	0	0	0	0	0	0		
96	029	8	4	1	2	1	0	0	0	1	1	0	0	0		
96	029261-010	1	1	0	0	0	0	0	0	0	0	0	0	0		
96	040	6	3	2	0	0	0	0	0	0	0	0	0	0		
96	041	12	4	0	0	0	0	0	0	0	0	0	0	0		
96	045	61	24	14	4	0	0	0	0	16	6	4	10	0		
96	045107-010	42	20	13	3	3	4	3	3	5	0	4	7	0		
96	045107-022	1	0	0	0	0	0	0	0	0	0	0	0	0		
96	049	1	1	1	0	0	1	0	0	0	0	0	0	0		
96	050	7	4	1	0	0	1	1	0	0	0	0	0	0		

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	C	D	E	F	G	H	I	J	K	L	M	N	NONAGRICULTURAL OPENINGS
				TOTAL	FEMALE	VETERAN.	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY RE- DISAD- VANT- AGED		TOTAL	OPENING, UNFILLED	OPENING, UNFILLED	OPENING, UNFILLED	OPENING, UNFILLED
							UNDER 22	45 AND OLDER				REC'D FEDERAL	REC'D FEDERAL	REC'D FEDERAL	REC'D FEDERAL
												CON-TRACTOR	CON-TRACTOR	CON-TRACTOR	CON-TRACTOR
												JOB LISTING	JOB LISTING	JOB LISTING	JOB LISTING
96	050067	7	4	1	0	0	0	1	0	0	0	0	0	0	0
96	052	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	059	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	072	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	072101-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	073	1	1	1	0	0	0	0	0	0	0	0	0	0	0
96	074	5	5	3	0	0	1	2	0	0	0	0	0	0	0
96	074161-010	4	4	2	0	0	0	2	0	0	0	0	0	0	0
96	075	23	12	12	0	0	0	6	0	0	0	0	0	0	0
96	075374	20	11	11	0	0	0	5	0	0	0	0	0	0	0
96	075374-010	14	6	6	0	0	0	2	0	0	0	0	0	0	0
96	075374-022	2	1	1	0	0	0	1	0	0	0	0	0	0	0
96	076	8	2	2	0	0	0	0	0	0	0	0	0	0	0
96	076121-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	077	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	078	13	7	6	1	0	0	2	0	0	0	0	0	0	0
96	078361-010	3	1	1	0	0	0	1	0	0	0	0	0	0	0
96	078361-014	1	1	1	0	0	0	1	0	0	0	0	0	0	0
96	078362-026	1	1	0	1	0	0	0	0	0	0	0	0	0	0
96	079	70	32	29	3	1	1	0	1	19	0	0	0	0	0
96	079367-010	10	4	2	2	0	0	0	0	2	2	0	0	0	0
96	079371-010	15	12	12	0	0	0	0	0	8	4	0	0	0	0
96	079374-014	31	12	12	0	0	1	0	0	8	2	0	0	0	0
96	090	9	3	1	0	0	0	0	0	0	6	4	0	0	0
96	090227-010	8	3	1	0	0	0	0	0	0	4	3	0	0	0
96	091	30	9	7	0	0	0	0	0	5	1	0	0	0	0
96	091227-010	28	7	5	0	0	0	0	0	3	0	0	0	0	0
96	092	39	13	10	1	1	1	2	0	2	0	0	0	0	0
96	092227-010	28	8	5	1	0	0	0	0	0	0	0	0	0	0
96	092227-014	4	1	1	0	0	1	0	0	0	0	0	0	0	0
96	094	8	3	2	0	0	0	0	0	2	0	0	0	0	0
96	094224-010	1	1	1	0	0	0	0	0	1	0	0	0	0	0
96	096	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	097	6	3	1	2	0	0	2	0	0	3	0	0	0	0
96	099	22	15	13	0	0	0	5	6	0	3	1	0	0	0
96	100	7	4	4	0	0	1	0	0	0	1	0	0	0	0
96	100127-014	3	1	1	0	0	0	0	0	0	0	0	0	0	0
96	101	1	1	0	0	0	0	0	0	0	0	0	0	0	0
96	102	1	1	1	0	0	0	0	0	0	0	0	0	0	0
96	109	4	3	1	0	0	1	0	0	0	0	0	0	0	0
96	110	3	1	0	0	0	0	0	0	0	0	0	0	0	0
96	110107	1	0	0	0	0	0	0	0	0	0	0	0	0	0

05/31/80

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	UNDER 22	45 AND OLDER	H	I	J	K	L	M	N	NONAGRICULTURAL OPENINGS
96	110107-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	119	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	120	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	129	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	131	8	5	4	0	0	0	0	0	0	0	0	0	0	0	0
96	131267-018	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	131267-026	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0
96	132	5	2	2	0	0	0	0	0	0	0	0	0	0	0	0
96	137	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	139	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	141	15	7	4	0	0	0	0	0	0	0	0	0	0	0	0
96	142	7	6	3	0	0	0	0	0	0	0	0	0	0	0	0
96	143	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0
96	144	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0
96	149	7	4	4	0	0	0	0	0	0	0	0	0	0	0	0
96	150	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
96	151	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0
96	152	15	6	2	2	0	0	0	0	0	0	0	0	0	0	0
96	153	13	4	0	0	0	0	0	0	0	0	0	0	0	0	0
96	153224-010	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	159	19	12	5	1	0	0	0	0	0	0	0	0	0	0	0
96	160	51	17	7	4	0	0	0	0	0	0	0	0	0	0	0
96	160167-010	31	12	4	3	0	0	0	0	0	0	0	0	0	0	0
96	160267-018	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	161	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
96	162	22	11	6	4	0	0	0	0	0	0	0	0	0	0	0
96	162157-038	12	7	3	4	0	0	0	0	0	0	0	0	0	0	0
96	163	26	13	2	8	0	0	0	0	0	0	0	0	0	0	0
96	163167-018	23	13	2	8	0	0	0	0	0	0	0	0	0	0	0
96	164	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
96	165	12	5	2	1	0	0	0	0	0	0	0	0	0	0	0
96	165067-010	12	5	2	1	0	0	0	0	0	0	0	0	0	0	0
96	166	28	11	2	4	0	0	0	0	0	0	0	0	0	0	0
96	168	17	10	5	4	0	0	0	0	0	0	0	0	0	0	0
96	168267-022	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
96	169	68	36	26	7	0	0	0	0	0	0	0	0	0	0	0
96	169167-010	37	19	16	3	0	0	0	0	0	0	0	0	0	0	0
96	169167-034	21	14	8	4	0	0	0	0	0	0	0	0	0	0	0
96	180	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0
96	181	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
96	182	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0
96	182267-010	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	K	L	M	N	NONAGRICULTURAL OPENINGS
					UNDER 22	45 AND OLDER			TOTAL RE- CEIVED	FEDERAL CON- TRACTOR JOB LISTING			
96	183	35	11	1	4	0	7	0	0	1	0	0	0
96	184	14	4	0	0	0	0	0	0	2	0	0	0
96	184117-034	2	2	0	0	0	0	0	0	0	0	0	0
96	185	93	43	13	10	2	8	14	14	8	3	2	1
96	185167-058	5	2	0	1	0	1	0	1	0	0	0	0
96	186	50	21	4	9	0	4	1	1	3	3	1	1
96	186117-058	2	1	1	0	0	0	1	0	0	0	0	0
96	187	73	34	11	12	0	11	0	7	9	3	2	2
96	187167-106	31	12	2	7	0	4	0	3	3	2	0	0
96	187167-190	2	1	0	0	0	0	0	1	0	0	0	0
96	188	6	4	2	0	0	0	1	0	7	6	1	0
96	188137-010	1	0	0	0	0	0	0	0	0	0	0	0
96	189	62	23	9	6	2	8	1	1	10	6	1	1
96	189167-034	4	1	0	1	0	1	0	0	0	0	0	0
96	191	3	1	0	1	0	0	0	0	0	0	0	0
96	193	3	0	0	0	0	0	0	0	0	0	0	0
96	195	72	37	22	2	3	3	11	21	21	6	5	9
96	195107-010	11	9	5	1	0	1	1	5	0	0	1	1
96	195107-022	6	3	2	0	0	0	1	2	2	0	0	0
96	196	1	0	0	0	0	0	0	0	0	0	0	0
96	197	1	1	0	1	0	0	1	1	0	0	0	0
96	199	8	3	2	1	0	0	0	0	1	0	0	0
96	201	198	84	84	1	8	12	40	63	63	24	6	3
96	201362-010	15	4	4	0	0	0	3	10	10	3	1	0
96	201362-014	16	8	8	1	0	2	2	2	2	1	0	0
96	201362-030	162	69	69	0	8	9	33	51	51	20	5	4
96	202	6	1	1	0	0	0	1	1	7	0	3	0
96	202362-014	5	1	1	0	0	0	1	1	7	0	3	0
96	203	220	96	92	1	25	9	52	125	125	54	35	25
96	203362-010	133	63	62	0	20	4	33	76	76	36	21	17
96	203582-066	13	3	3	0	0	1	2	16	16	3	1	1
96	205	309	83	50	4	43	13	4	438	438	369	70	70
96	205367-054	290	77	44	4	43	13	2	433	433	368	69	69
96	206	35	15	12	0	7	2	5	9	9	5	1	1
96	206362-010	25	10	10	0	6	2	2	9	9	5	1	1
96	207	2	1	1	0	1	0	1	1	1	0	0	0
96	208	3	1	0	0	1	0	0	0	1	1	0	0
96	209	582	241	213	9	82	33	87	302	302	144	110	100
96	209562-010	524	216	199	6	79	29	80	258	258	121	107	97
96	209687-014	2	2	0	0	0	0	1	0	0	0	0	0
96	210	133	55	52	2	0	16	12	30	30	13	4	2
96	210382-010	6	3	3	0	0	0	2	1	1	1	0	0

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE											NONAGRICULTURAL OPENINGS										
		TOTAL REGIS-TERED APPS	TOTAL FEMALE	VETERAN.	AGE GROUPS	MINOR-ITY	ECONOM-ICALLY RE-DISAD-VANT-AGED	J	I	H	G	F	E	D	C	B	A	K	L	M	N	OPENING, OPENING, UNFILLED OPEN REC'D, FILLED	TOTAL 30 DAYS OR MORE
96	245	9	7	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	247	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	248	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	249	71	35	29	7	2	2	22	10	2	0	0	0	0	0	0	0	43	11	15	30	29	0
96	249367-058	19	8	4	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
96	250	6	3	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	250257-010	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	250357-018	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	251	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	251357-010	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	252	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	253	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	254	6	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	254357-014	3	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	259	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	260	8	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	261	40	15	15	2	7	0	5	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0
96	261357-038	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	261357-050	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	261357-054	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	261357-062	7	2	2	0	0	0	1	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
96	261357-066	20	8	8	2	3	0	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
96	262	7	2	2	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
96	269	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	270	10	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	271	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
96	273	30	13	1	4	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
96	273353-010	25	10	1	3	3	0	5	0	4	0	0	0	0	0	0	0	1	0	0	0	0	0
96	273357-034	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	274	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
96	275	7	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
96	276	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	277	14	8	5	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	277357-034	3	2	2	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	279	422	42	22	13	11	0	6	0	0	0	0	0	0	0	0	0	242	43	200	36	33	0
96	279357-050	12	4	0	2	1	0	0	0	0	0	0	0	0	0	0	0	5	0	3	1	0	0
96	279357-054	383	30	20	11	8	0	6	0	0	0	0	0	0	0	0	0	229	43	192	33	32	0
96	290	79	33	23	14	7	0	10	0	7	0	0	0	0	0	0	0	19	0	11	1	0	0
96	290477-014	62	24	20	10	6	0	3	0	8	0	0	0	0	0	0	0	11	0	8	0	0	0
96	290477-018	17	9	3	4	1	0	0	0	1	0	0	0	0	0	0	0	8	0	3	1	0	0
96	291	3	2	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0
96	292	26	17	0	11	0	0	5	0	0	0	0	0	0	0	0	0	8	1	3	2	0	0

ITEM NO.	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE ACTIVE ANYTIME THIS FY.	AGE GROUPS UNDER 22 45 AND OLDER	MINOR- ITY	ECONOM- ICALLY RE- DISAD- VANT- AGED	J	K	L	M	N	NONAGRICULTURAL OPENINGS
96	210382-014	80	37	34	2	0	0	13	2	7	2	1
96	210382-018	37	13	13	0	0	0	14	3	4	2	1
96	211	255	113	106	1	39	52	81	28	47	19	17
96	211362-010	46	17	16	0	11	4	3	0	0	1	1
96	211362-018	31	10	10	0	4	4	40	23	34	6	8
96	211462-010	46	22	20	1	8	8	22	4	6	9	8
96	213	20	10	4	5	3	2	10	5	4	3	0
96	213362-010	17	7	4	2	2	0	8	4	3	3	0
96	214	21	9	9	0	0	4	11	7	6	1	0
96	214362-022	1	1	1	0	0	1	0	0	0	0	0
96	214382-014	9	5	5	0	0	1	3	2	2	0	0
96	214482-022	1	0	0	0	0	0	0	0	0	0	0
96	215	27	15	11	2	0	0	6	3	3	1	1
96	215482-010	18	10	9	0	0	6	5	3	3	0	0
96	216	59	37	32	2	3	17	26	14	10	1	0
96	216382-034	3	3	2	1	0	1	0	0	0	0	0
96	216482-010	42	23	21	1	2	10	23	11	9	0	0
96	217	4	0	0	0	0	0	4	4	2	1	1
96	219	182	85	82	3	12	51	21	9	13	13	13
96	219362-010	151	71	70	1	11	47	15	7	8	12	12
96	221	33	16	8	3	1	3	8	6	2	1	1
96	222	279	107	21	18	44	28	407	36	354	22	18
96	222387-050	118	41	1	7	14	9	66	16	39	6	4
96	222387-058	53	29	10	1	18	8	20	9	10	5	5
96	229	3	1	0	0	0	0	0	0	0	0	0
96	230	54	9	2	4	0	1	63	62	60	0	0
96	235	40	17	17	0	1	10	17	6	6	1	1
96	235462-010	8	4	4	0	0	4	3	3	0	0	0
96	235662-022	22	11	11	0	0	6	7	3	2	2	1
96	236	1	1	0	1	0	1	0	0	0	0	0
96	237	60	28	28	0	3	9	18	3	8	1	1
96	237367-010	1	0	0	0	0	0	0	0	0	0	0
96	237367-022	1	1	1	0	0	0	0	0	0	0	0
96	237367-038	58	27	27	0	3	9	18	3	8	1	1
96	238	7	4	2	1	0	0	2	0	1	0	0
96	238362-010	3	2	1	0	0	0	2	0	1	0	0
96	239	11	4	3	1	0	0	10	5	2	7	3
96	241	11	5	2	2	0	0	3	3	3	1	1
96	241357-010	0	0	0	0	0	0	2	2	2	0	0
96	243	5	1	1	0	0	0	0	0	0	0	0
96	243362-010	1	0	0	0	0	0	0	0	0	0	0
96	243367-014	4	1	1	0	0	0	0	0	0	0	0

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DIS- ADVANT- AGED	J	K	L	M	OPENING, OPENING, UNFILLED OPEN REC'D, FILLED	TOTAL RE- CEIVED	FEDERAL	CON- TRACTOR	JOB LISTING	TOTAL	30 DAYS OR MORE			
96	292353-010	9	6	1	1	0	0	0	1	0	0	1	1	8	1	1	3	2	0	0	0
96	293	1	1	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0
96	296	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	297	2	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
96	298	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	299	61	26	14	0	0	0	0	0	0	0	1	7	19	1	14	3	3	0	0	0
96	299357-014	7	2	2	0	0	0	0	0	0	0	1	0	2	1	1	1	1	1	1	1
96	301	127	73	71	0	0	0	0	0	0	0	0	69	7	0	2	2	2	1	2	1
96	301474-010	23	8	8	0	0	0	0	0	0	0	0	7	3	0	0	0	0	0	0	0
96	301677-010	40	22	22	0	0	0	0	0	0	0	0	21	1	0	1	0	0	0	0	0
96	301687-010	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	1	1	1	1
96	302	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	309	9	3	3	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
96	309677-010	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
96	310	12	6	6	0	0	0	0	0	0	0	0	5	2	0	0	0	0	0	0	0
96	311	388	192	183	0	0	0	0	0	0	0	0	141	155	11	55	74	68	68	68	68
96	311477-014	94	40	37	0	0	0	0	0	0	0	0	26	98	2	37	48	47	47	47	47
96	311477-030	156	88	85	0	0	0	0	0	0	0	0	65	28	0	5	13	13	13	13	13
96	311477-038	5	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
96	311677-010	13	7	7	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
96	311677-014	19	8	8	0	0	0	0	0	0	0	0	7	7	0	1	3	3	3	3	3
96	312	58	24	15	4	0	0	0	0	0	0	0	14	16	0	8	1	1	1	1	1
96	312474-010	42	18	11	3	0	0	0	0	0	0	0	11	14	0	1	1	1	1	1	1
96	313	129	46	20	8	0	0	0	0	0	0	0	19	46	5	21	15	15	15	15	15
96	313131-014	15	6	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
96	313131-026	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	313361-014	49	16	6	0	0	0	0	0	0	0	0	7	26	2	16	7	7	7	7	7
96	313361-022	35	12	7	3	0	0	0	0	0	0	0	7	12	2	1	6	6	6	6	6
96	313361-026	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	313361-030	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	313381-010	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
96	313684-010	2	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
96	315	42	17	9	3	0	0	0	0	0	0	0	10	13	1	6	3	3	3	3	3
96	315361-010	38	14	9	1	0	0	0	0	0	0	0	10	13	1	6	3	3	3	3	3
96	316	10	6	0	4	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
96	317	17	6	4	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0
96	317684-014	3	1	1	0	0	0	0	0	0	0	0	0	3	2	1	1	1	1	1	1
96	317687-010	9	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	318	240	76	24	1	0	0	0	0	0	0	0	34	174	17	116	42	42	42	42	42
96	318687-010	234	73	24	1	0	0	0	0	0	0	0	33	174	17	116	42	42	42	42	42
96	319	12	5	2	2	0	0	0	0	0	0	0	2	5	1	4	0	0	0	0	0
96	321	17	7	7	0	0	0	0	0	0	0	0	2	34	0	6	24	24	24	24	24



TABLE 96

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

SMSA 4160

05/31/80

MASSACHUSETTS

BY OCCUPATION

TABLE 96

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS	TOTAL FEMALE VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	K	L	M	N	OPENING REC'D	OPENING FILLED	UNFILLED	OPEN						
				UNDER 22	.45 AND OLDER										TOTAL 30 DAYS OR MORE						
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O							
96	375263-014	10	7		2	4	0	1	1	2	0	0	1	0							
96	376	2	2		0	0	1	0	0	0	2	0	2	1							
96	377	1	0		0	0	0	0	0	0	0	0	0	2							
96	378	2	2		0	2	2	0	1	1	0	0	0	0							
96	379	60	40	11	1	1	29	0	2	2	2	1	5	0							
96	381	209	68	15	9	9	23	12	22	190	46	116	57	39							
96	382	128	75	8	9	9	49	8	43	214	0	21	193	189							
96	382664-010	126	74	8	9	9	49	8	43	214	0	21	193	189							
96	383	1	0	0	0	0	0	0	0	0	0	0	0	0							
96	388	4	2	0	0	0	0	0	0	6	0	5	1	1							
96	389	5	2	0	0	0	0	0	1	5	1	3	1	0							
96	402	14	9	2	1	1	8	3	5	0	0	0	0	0							
96	403	2	1	1	0	0	1	0	1	0	0	0	0	0							
96	404	2	0	0	0	0	0	0	0	0	0	0	0	0							
96	405	8	4	2	0	0	2	2	1	0	0	0	0	0							
96	406	164	111	29	2	2	97	38	74	125	3	15	131	126							
96	406684-010	2	1	0	0	1	0	0	0	3	0	3	2	2							
96	406999-777	0	0	0	0	0	0	0	0	2	0	1	1	1							
96	407	1	1	0	0	0	0	1	0	0	0	0	0	0							
96	408	48	25	4	3	3	8	3	9	6	0	0	6	6							
96	408161-010	14	7	1	0	0	2	1	2	0	0	0	0	0							
96	409	1	1	0	0	0	1	1	0	0	0	0	0	0							
96	410	25	7	3	1	1	3	0	3	2	0	1	1	1							
96	411	4	3	0	0	0	0	2	0	0	0	0	0	0							
96	418	2	1	1	0	0	0	0	0	2	0	0	0	0							
96	419	2	0	0	0	0	0	0	0	0	0	0	0	0							
96	421	5	0	0	0	0	0	0	0	0	0	0	0	0							
96	441	1	1	0	0	1	0	0	1	0	0	0	1	1							
96	446	1	0	0	0	0	0	0	0	0	0	0	0	0							
96	452	6	2	0	0	0	0	0	0	0	0	0	0	0							
96	454	4	1	0	0	0	0	0	0	0	0	0	1	1							
96	459	14	6	3	0	0	4	0	5	0	0	0	0	0							
96	500	17	7	2	2	2	0	1	2	13	3	7	2	2							
96	503	6	4	0	0	0	1	0	0	0	0	0	0	0							
96	504	1	0	0	0	0	0	0	0	0	0	0	0	0							
96	505	3	3	1	0	0	0	0	0	0	0	0	0	0							
96	509	3	1	0	0	0	0	0	0	0	0	0	0	0							
96	509686-010	2	0	0	0	0	0	0	0	0	0	0	0	0							
96	514	2	1	0	0	0	0	0	0	0	0	0	0	0							
96	518	17	9	0	0	0	0	1	0	0	0	0	0	0							
96	518361-010	6	4	0	0	3	0	2	0	0	0	0	0	0							
96	519	13	6	0	0	1	0	1	0	5	5	4	1	0							

SMSA 4160

MONTHLY YEAR TO DATE  
FOR PERIOD ENDING 05/31/80

PAGE 010

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY RE- CEIVED	DISAD- VANT- AGED	J	I	H	G	F	D	E	C	B	A	NONAGRICULTURAL OPENINGS
					UNDER 22	.45 AND OLDER													
96	520	5	4	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	521	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	522	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	523	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	524	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	525	6	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	526	20	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	526381-010	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	526684-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	526685-014	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	526686-010	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	529	12	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	529684-014	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	529687	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	530	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	534	4	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	539	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	542	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	543	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	549	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	550	20	7	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	552	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	553	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	554	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	556	27	19	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	556685-066	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	557	15	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	558	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	559	27	18	6	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	559567-010	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	569	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	570	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	573	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	575	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	579	14	8	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	580	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	581	6	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	582	11	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	583	7	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	584	12	6	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	585	8	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	586	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 96

TABLE 96	MASSACHUSETTS
APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION	05/31/80

SMSA 4160

TABLE 96

[illegible]

SMSA 4160

MONTHLY YEAR TO DATE

MONTHLY YEAR TO DATE

9

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL	REGIS- TERED	APPS	ACTIVE ANYTIME	THIS FY	TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY RE-	TOTAL	OPENING, OPENING, UNFILLED OPEN	REC'D	FILLED	TOTAL	30 DAYS OR MORE			
										UNDER 22	45 AND OLDER	DISAD- VANT- AGED	CEIVED	FEDERAL	CON- TRACTOR	JOB LISTING					
96	620281-046	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
96	620381-022	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
96	621	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
96	623	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
96	623281-026	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
96	625	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
96	625281-010	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
96	626	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
96	626281-010	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
96	629	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
96	629281-022	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
96	630	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
96	631	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
96	632	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
96	633	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
96	633281-018	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
96	637	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
96	637261-014	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
96	637261-026	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
96	638	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
96	638261-018	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
96	638281-014	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
96	638281-018	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
96	638684-018	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
96	639	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
96	640	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
96	641	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
96	649	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
96	651	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
96	652	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
96	653	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
96	659	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
96	660	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
96	660280-010	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
96	662	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
96	664	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
96	665	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
96	667	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
96	669	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
96	676	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
96	680	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
96	680685	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

05/31/80 MASSACHUSETTS  
APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RE- CEIVED	L	M	N	NONAGRICULTURAL OPENINGS	OPENING, UNFILLED OPEN	TOTAL .30 DAYS OR MORE
					UNDER .45 AND 22 OLDER									
96	681	5	4	3	1	1	1	2	6	0	4	0	2	0
96	681685-154	4	3	2	0	1	1	2	4	0	3	0	1	1
96	683	3	1	1	0	0	0	1	0	0	0	0	0	0
96	683682-038	1	0	0	0	0	0	0	0	0	0	0	0	0
96	684	6	6	5	0	5	0	1	0	0	0	0	0	0
96	685	4	2	1	0	1	1	1	0	0	0	0	0	0
96	685380-010	1	0	0	0	0	0	0	0	0	0	0	0	0
96	686	2	2	2	0	0	0	2	1	1	1	0	0	0
96	687	2	1	0	0	0	0	0	0	0	0	0	0	0
96	689	31	12	6	1	3	6	5	10	3	9	0	1	0
96	690	325	151	112	3	42	55	76	95	41	55	25	16	8
96	690682-082	117	58	50	0	13	19	38	39	13	17	13	8	0
96	691	5	2	0	1	1	1	1	1	0	0	0	0	0
96	692	44	14	10	1	3	8	4	8	4	4	2	2	0
96	699	54	22	5	3	5	9	9	24	5	11	1	1	0
96	700	6	3	2	1	1	0	1	0	0	0	0	0	0
96	700281-010	1	1	0	0	0	0	0	0	0	0	0	0	0
96	701	2	2	0	0	0	0	0	0	0	0	0	0	0
96	703	2	1	0	0	0	0	0	0	0	0	0	0	0
96	704	3	1	0	0	0	1	0	0	0	0	0	0	0
96	705	11	2	0	0	0	2	0	1	1	1	0	0	0
96	705687-014	2	0	0	0	0	0	0	0	0	0	0	0	0
96	706	39	20	12	2	4	4	10	9	7	8	1	0	0
96	706684-022	14	8	4	0	1	2	4	8	7	8	0	0	0
96	709	9	5	2	1	1	0	2	1	1	0	0	0	0
96	710	7	3	2	0	0	0	1	9	7	1	3	0	0
96	710261-010	0	0	0	0	0	0	0	1	0	0	0	0	0
96	710281-010	1	0	0	0	0	0	0	0	0	0	0	0	0
96	710281-018	3	2	1	0	0	0	0	1	0	0	0	0	0
96	712	3	1	0	0	0	0	0	0	0	0	0	0	0
96	712381-018	2	1	0	0	0	0	0	0	0	0	0	0	0
96	713	3	1	1	0	0	1	1	2	0	1	0	0	0
96	714	2	1	1	0	0	0	0	0	0	0	0	0	0
96	715	1	0	0	0	0	0	0	0	0	0	0	0	0
96	716	4	2	1	0	0	1	0	1	0	0	0	0	0
96	719	2	0	0	0	0	0	0	0	0	0	0	0	0
96	720	1	0	0	0	0	0	0	0	0	0	0	0	0
96	720281-018	1	0	0	0	0	0	0	0	0	0	0	0	0
96	721	2	0	0	0	0	0	0	0	0	0	0	0	0
96	721684-022	1	0	0	0	0	0	0	0	0	0	0	0	0
96	722	3	1	1	0	0	0	0	0	0	0	0	0	0
96	723	32	9	6	1	0	0	5	2	3	2	1	0	0

### APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

[illegible]

TABLE 96 APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

MASSACHUSETTS SMSA 4160

TABLE 96

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RE- CEIVED	OPENING, OPENING, UNFILLED OPEN REC'D, FILLED	N	D
96	774	2	1	0	0	0	0	0	0	0	0
96	775	1	1	0	0	0	0	0	0	0	0
96	779	1	1	0	0	0	0	0	0	0	0
96	780	27	17	4	1	6	3	131	22	111	11
96	780381-018	6	5	0	0	1	0	0	0	0	0
96	780682-018	2	0	0	0	0	0	0	0	0	0
96	781	33	14	6	5	5	0	37	24	9	6
96	781687-010	3	2	2	1	0	0	2	1	1	0
96	782	10	5	3	0	0	0	2	1	1	1
96	782684-058	7	3	0	0	0	0	29	20	3	1
96	783	17	7	2	0	0	1	7	3	2	1
96	783682-014	2	1	1	0	0	0	6	1	0	0
96	784	2	2	1	0	0	0	10	2	0	0
96	785	13	6	5	0	0	4	1	1	1	1
96	785261-010	6	0	0	0	0	0	0	0	0	0
96	785361-010	3	3	0	0	0	0	0	0	0	0
96	786	43	20	17	0	0	8	31	7	0	0
96	787	82	39	39	0	0	10	40	18	27	5
96	787682-014	1	0	0	0	0	0	0	0	0	0
96	787682-046	53	27	27	0	0	7	26	9	20	9
96	788	403	195	140	4	26	58	198	154	25	19
96	789	47	24	13	4	2	5	13	13	13	2
96	789687-070	2	1	1	0	0	0	0	0	0	0
96	790	2	0	0	0	0	0	0	0	0	0
96	794	1	0	0	0	0	0	0	0	0	0
96	795	8	5	4	0	3	0	2	1	0	0
96	801	6	5	0	0	0	1	0	0	0	0
96	801361-014	6	5	0	0	0	1	0	0	0	0
96	801381-010	0	0	0	0	0	0	0	0	0	0
96	804	25	9	0	3	3	1	19	5	12	1
96	804281	24	9	0	3	3	1	19	5	12	1
96	804281-010	20	8	0	3	3	1	19	5	12	1
96	805	2	1	0	0	0	0	0	0	0	0
96	805261-014	1	1	0	0	0	0	0	0	0	0
96	806	12	6	1	3	0	0	0	0	0	0
96	806381-010	1	1	0	0	0	0	0	0	0	0
96	806381-014	1	1	0	0	0	0	0	0	0	0
96	806481-014	0	0	0	0	0	0	0	0	0	0
96	806684-010	4	3	1	0	0	0	1	0	0	0
96	807	26	7	0	2	2	1	8	0	0	0
96	807381-010	21	7	0	2	2	1	7	0	0	0
96	809	12	4	1	1	1	1	2	2	3	3

TABLE 96

05/31/80

MASSACHUSETTS

SMSA 4160

TABLE 96

## APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

[illegible]

ITEM NO	OCCUPATIONAL CODE	TOTAL	REGIS- TERED	APPS	ACTIVE	ANYTIME	THIS FY	C	D	E	F	G	H	I	J	K	L	M	N	O
96	859	18	14	0	0	3	2	16	12	0	1	14	3	0	0	28	0	0	0	0
96	860	178	81	0	0	20	0	0	0	0	4	0	0	0	0	0	0	19	0	0
96	860281-010	7	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	860381-022	99	44	0	0	10	6	9	9	0	0	6	2	0	0	15	0	11	0	0
96	861	22	13	0	0	0	1	4	4	0	0	2	1	0	0	6	0	3	0	0
96	861381-018	10	7	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0
96	861381-038	4	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
96	861687-010	1	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	0	0
96	862	57	23	0	0	7	7	1	1	0	2	4	0	0	0	20	3	6	13	11
96	862261-010	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	862361-014	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	862381-018	7	4	0	0	2	0	0	1	0	1	1	0	0	0	4	3	3	2	0
96	862381-030	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	862381-034	13	7	0	0	1	3	0	0	0	0	1	0	0	0	10	0	0	1	1
96	862684-014	10	4	0	0	1	3	0	0	0	0	0	0	0	0	3	2	1	0	0
96	863	11	6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	863381-014	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	864	5	2	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0
96	865	4	4	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
96	866	33	10	0	0	3	1	1	1	1	0	5	3	0	0	10	0	10	0	0
96	866381-010	25	8	0	0	2	1	1	1	1	0	3	0	0	0	8	0	8	0	0
96	869	345	164	6	6	33	54	10	15	15	15	33	14	0	0	63	5	41	43	40
96	869664-014	167	76	1	1	16	27	3	8	8	8	14	0	0	0	21	4	17	17	5
96	869684-010	1	1	0	0	0	1	0	0	0	0	16	0	0	0	0	0	0	0	0
96	869687-026	132	64	5	5	9	19	6	7	7	7	16	2	0	0	31	0	18	29	27
96	891	9	4	0	0	1	1	1	1	1	1	2	0	0	0	2	0	1	5	5
96	899	126	39	1	1	12	13	6	4	4	4	9	0	0	0	34	8	17	63	63
96	899281-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	899381-010	80	26	1	1	10	6	4	3	3	3	5	0	0	0	23	7	14	39	39
96	899684-022	21	6	0	0	1	4	1	1	1	1	3	0	0	0	7	0	1	20	20
96	900	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	902	7	4	0	0	1	0	0	1	1	1	1	0	0	0	3	0	1	0	0
96	903	3	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
96	904	81	39	1	1	21	2	5	9	1	1	9	16	4	0	45	5	28	7	6
96	905	155	68	1	1	14	5	9	9	4	4	13	5	2	0	23	3	15	2	1
96	905663-014	122	55	1	1	11	1	1	1	1	1	5	1	1	0	76	49	68	4	3
96	906	84	26	0	0	7	8	1	1	1	1	5	5	1	0	29	2	23	1	1
96	906683-022	72	24	0	0	5	8	1	1	1	1	0	0	0	0	1	0	0	0	0
96	909	3	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	910	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	911	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	912	4	1	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0

TABLE 96

TABLE 96	05/31/80	MASSACHUSETTS
APPLICANTS AND	NONAGRICULTURAL	JOB OPENINGS BY
		OCCUPATION

**SMSA 4160**

05/31/80

MASSACHUSETTS

MASSACHUSETTS  
/80  
INGS BY OCCUPATION

TABLE 96

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS	TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RE- CEIVED	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	M	N	TOTAL RE- CEIVED	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	M	N					
96	913	54	20	8	3	1	3	11	18	0	7	0	0	0	0	0					
96	913167-010	2	1	1	0	1	0	1	0	0	0	0	0	0	0	0					
96	913463-010	32	11	6	3	0	2	7	14	0	5	0	0	0	0	0					
96	913463-018	14	5	0	0	0	1	2	1	0	1	0	0	0	0	0					
96	914	6	3	0	0	3	0	1	1	1	0	0	0	0	0	0					
96	915	72	23	1	5	13	2	10	24	2	11	0	0	0	0	0					
96	915467-010	53	13	0	2	9	0	6	18	0	7	5	0	0	0	0					
96	915473-010	2	2	0	0	1	1	0	0	0	0	1	1	1	1	1					
96	919	19	11	4	1	8	1	4	5	0	4	1	1	1	1	1					
96	919687-014	16	9	4	1	7	1	3	4	0	4	1	1	1	1	1					
96	920	439	221	158	6	52	43	107	156	31	101	22	21	0	0	0					
96	920587-018	318	163	128	3	29	37	82	125	25	79	20	19	0	0	0					
96	920685-078	28	14	6	3	2	1	7	9	3	6	1	1	0	0	0					
96	920687-014	23	11	1	0	11	0	2	0	0	0	0	0	0	0	0					
96	920687-126	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0					
96	921	76	39	0	5	12	4	9	3	2	2	1	1	0	0	0					
96	921683-050	58	31	0	5	10	3	5	2	0	1	0	0	0	0	0					
96	922	454	157	33	17	77	17	50	164	39	99	71	60	0	0	0					
96	922687-058	417	143	30	16	69	17	44	154	37	90	66	55	0	0	0					
96	929	332	129	16	17	57	11	41	129	34	96	32	26	0	0	0					
96	929687-022	7	2	0	0	0	0	1	0	0	0	0	0	0	0	0					
96	929687-030	285	111	15	15	49	10	35	121	34	93	27	25	0	0	0					
96	931	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0					
96	932	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0					
96	950	5	2	1	0	0	1	1	1	1	1	0	0	0	0	0					
96	950382-026	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0					
96	951	7	3	1	2	0	1	0	1	0	0	0	0	0	0	0					
96	953	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0					
96	954	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0					
96	955	23	3	0	0	0	0	0	0	0	1	0	0	0	0	0					
96	955	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0					
96	960	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0					
96	969	2	1	1	2	2															

## TABLE 96

SMSA 4160

MASSACHUSETTS

05/31/80

MASSACHUSETTS  
BY OCCUPATION

TABLE 96

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGISTERED APPS ACTIVE ANYTIME THIS FY.	TOTAL	FEMALE	VETERAN.	AGE GROUPS UNDER 22	MINORITY	ECONOMICALLY DISADVANTAGED	TOTAL RECEIVED FEDERAL CONTRACTOR JOB LISTING.	OPENING REC'D FEDERAL CON-TRACTOR JOB LISTING.	UNFILLED OPENINGS	TOTAL	REC'D FEDERAL CON-TRACTOR JOB LISTING.	UNFILLED OPENINGS	TOTAL						
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O							
96	TOTAL OF INVALID OCCUPATIONAL CODES	733	604	300	12	483	22	215	447	60	16	35	146	143							

SMSA 4160

MONTHLY YEAR TO DATE  
FOR PERIOD ENDING 05/

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PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK

## 00,01 ARCHITECTURE AND ENGINEERING

001 Architecture  
 002 Aeronautical engineering  
 003 Electrical engineering  
 005 Civil engineering  
 006 Ceramic engineering  
 007 Mechanical engineering  
 008 Chemical engineering  
 010 Mining and petroleum engineering  
 011 Metallurgy and metallurgical engineering  
 012 Industrial engineering  
 013 Agricultural engineering  
 014 Marine engineering  
 015 Nuclear engineering  
 017 Drafting and related work  
 018 Surveying and related work  
 019 Architecture and engineering, n.e.c.

## 02 MATHEMATICS AND PHYSICAL SCIENCES

020 Mathematics  
 021 Astronomy  
 022 Chemistry  
 023 Physics  
 024 Geology  
 025 Meteorology  
 029 Mathematics and physical sciences, n.e.c.

## 04 LIFE SCIENCES

040 Agricultural sciences  
 041 Biological sciences  
 043 Psychology  
 049 Life sciences, n.e.c.

## 05 SOCIAL SCIENCES

050 Economics  
 051 Political science  
 052 History  
 054 Sociology  
 055 Anthropology  
 059 Social sciences, n.e.c.

## 07 MEDICINE AND HEALTH

070 Medicine and surgery  
 071 Osteopathy  
 072 Dentistry  
 073 Veterinary medicine and surgery  
 074 Pharmacy  
 075 Nursing  
 077 Dietetic work  
 078 Medical and dental technology  
 079 Medicine and health, n.e.c.

## 09 EDUCATION

090 College and university education  
 091 Secondary school education  
 092 Primary school and kindergarten education  
 094 Education of the handicapped  
 096 Home economics, agriculture, and related education  
 097 Vocational education, n.e.c.  
 099 Education, n.e.c.

## 10 MUSEUM, LIBRARY, AND ARCHIVAL SCIENCES

100 Library work  
 101 Archival science work  
 102 Museum and related work  
 109 Museum, library, and archival sciences, n.e.c.

## 11 LAW AND JURISPRUDENCE

110 Legal work  
 111 Judicial work  
 119 Law and jurisprudence, n.e.c.

## 12 RELIGION AND THEOLOGY

120 Ministerial work  
 129 Religion and theology, n.e.c.

## 13 WRITING

130 Freelance writing  
 131 Writing and editing, motion pictures, radio and TV  
 132 Writing and editing, publications  
 137 Interpreting and translating  
 139 Writing, n.e.c.

## 14 ART

141 Commercial art  
 142 Designing  
 143 Photography  
 144 Painting and related work  
 148 Sculpturing and related work  
 149 Art work, n.e.c.

## 15 ENTERTAINMENT AND RECREATION

150 Dramatics  
 151 Dancing  
 152 Music  
 153 Athletics and sports  
 159 Entertainment and recreation, n.e.c.

## 16 ADMINISTRATIVE SPECIALIZATIONS

160 Accounting and auditing  
 161 Budget and management analysis  
 162 Purchasing management  
 163 Sales and distribution management  
 164 Advertising management  
 165 Public relations management  
 166 Personnel and training administration  
 168 Inspecting and investigating, managerial and pub. serv.  
 169 Administrative specialties, n.e.c.

## 18 MANAGERS AND OFFICIALS, N.E.C.

180 Agriculture, forestry, and fishing management  
 181 Mining management  
 182 Construction management  
 183 Manufacturing industry management  
 184 Transportation, communication, and utilities, mgt.  
 185 Wholesale and retail trade management  
 186 Finance, insurance, and real estate management  
 187 Service industry management  
 188 Public administration management  
 189 Miscellaneous managerial work, n.e.c.

## 19 PROFESSIONAL, TECHNICAL, &amp; MANAGERIAL

191 Business relations work, n.e.c.  
 193 Radio operating  
 194 Sound recording, transcribing, & reproducing  
 195 Social and welfare work  
 196 Airplane piloting & navigating  
 197 Managerial & technical work, water transportation  
 198 Managerial work, railroad transportation  
 199 Misc. prof., tech., & managerial work, n.e.c.

CLERICAL AND SALES WORK

## 20 STENOGRAPHY, TYPING, FILING &amp; RELATED OCCUPATIONS

201 Secretarial work  
 202 Stenography  
 203 Typing  
 204 Correspondence work  
 205 Personnel work  
 206 Filing  
 207 Duplicating-machine work  
 208 Miscellaneous office machine work  
 209 Stenography, typing, filing, & related work, n.e.c.

## 21 COMPUTING &amp; ACCOUNT-RECORDING

210 Bookkeeping  
 211 Cashiering  
 212 Teller service  
 213 Automatic data processing  
 214 Billing-machine work  
 215 Bookkeeping-machine work  
 216 Computing-machine work  
 217 Account-recording-machine work, n.e.c.  
 219 Computing & account recording, n.e.c.

## 22 MATERIAL &amp; PRODUCTION RECORDING

221 Clerical work, production  
 222 Clerical work, shipping and receiving  
 223 Stock checking & related work  
 224 Weighing  
 229 Material & production recording, n.e.c.

## 23 INFORMATION &amp; MESSAGE DISTRIBUTION

230 Messenger and related work  
 231 Mail sorting, stamping, recording, routing, & rel. work  
 232 Clerical work, post office  
 233 Mail delivery  
 234 Mail-preparing & mail-handling-machine work  
 235 Telephone work  
 236 Telegraph work  
 237 Reception & information dispensing work  
 239 Information & message distribution, n.e.c.

## 24 MISCELLANEOUS CLERICAL

240 Collecting  
 241 Adjusting  
 242 Hotel desk work, n.e.c.  
 243 Clerical work, direct service, n.e.c.  
 249 Miscellaneous clerical work, n.e.c.

## 25 SALES AGENTS, SERVICES

250 Saleswork, real estate and insurance  
 251 Saleswork, securities  
 252 Saleswork, business and financial services  
 253 Saleswork, radio and television broadcasting services  
 254 Saleswork, hotel services  
 255 Saleswork, transportation services  
 256 Saleswork, maintenance and repair services  
 257 Saleswork, utilities  
 258 Saleswork, printing and advertising  
 259 Saleswork, services, n.e.c.

## 26, 27, 28 SALES AGENTS AND SALESPERSONS, COMMODITIES

260 Saleswork, horticultural and nursery products  
 261 Saleswork, agricultural products, n.e.c.  
 262 Saleswork, foodstuffs, beverages, and tobacco  
 263 Saleswork, textiles, textile products, and apparel  
 264 Saleswork, leather and leather products  
 265 Saleswork, paper and paper products  
 266 Saleswork, chemicals and drug preparations  
 267 Saleswork, fuel and petroleum products  
 268 Saleswork, plastics products  
 270 Saleswork, rubber products  
 271 Saleswork, stone, clay, and glass products  
 273 Saleswork, metal and metal products  
 274 Saleswork, housefurnishings  
 275 Saleswork, hotels and restaurant equipment and supplies  
 276 Saleswork, industrial, construction, mining and drilling equipment and supplies  
 277 Saleswork, farm and garden equipment and supplies  
 278 Saleswork, household appliances and electrical machinery, equipment, and supplies  
 280 Saleswork, transportation equipment  
 281 Saleswork, business and commercial machines, equipment, and supplies  
 282 Saleswork, medical and dental equipment, supplies and appliances  
 283 Saleswork, jewelry and silverware  
 284 Saleswork, scientific apparatus  
 285 Saleswork, photographic equipment and supplies  
 286 Saleswork, amusement and sporting goods  
 287 Saleswork, music and musical instruments  
 289 Saleswork, commodities, n.e.c.

## 29 MERCHANDISING OCCUPATIONS, EXCEPT SALES AGENTS

290 Sales clerking  
 291 Peddling  
 292 Route work  
 293 Canvassing and soliciting  
 294 Auctioneering  
 296 Shopping  
 297 Demonstrating and modeling  
 298 Display work  
 299 Miscellaneous merchandising work, n.e.c.

SERVICES

## 30 DOMESTIC SERVICE

301 Day work  
 302 Laundry work, private family  
 303 Housekeeping, private family  
 304 Caretaker and yard work  
 305 Domestic cooking

306 Housework, domestic  
 307 Child monitor  
 309 Domestic services, n.e.c.

### 31 FOOD AND BEVERAGE PREPARATION AND SERVICE

310 Food and beverage service, except ship steward/stewardess  
 311 Food serving  
 312 Bartending  
 313 Cooking, large hotels and restaurants  
 314 Cooking, small hotels and restaurants  
 315 Miscellaneous cooking, except domestic  
 316 Meat cutting, except in slaughtering and packing houses  
 317 Miscellaneous food and beverage preparation  
 318 Kitchen work, n.e.c.  
 319 Food and beverage preparation and service, n.e.c.

### 32 LODGING AND RELATED SERVICE

320 Boardinghouse and lodginghouse keeping  
 321 Housekeeping, hotels and institutions  
 323 Cleaning & related services, hotels, restaurants,  
 and related establishments  
 324 Bellhop and related services  
 329 Lodgings and related services, n.e.c.

### 33 BARBERING, COSMETOLOGY, AND RELATED SERVICE

330 Barbering and related services  
 331 Manicuring  
 332 Beautician services  
 333 Make-up, theatrical  
 334 Masseur and related services  
 335 Bath attendant work  
 338 Embalming  
 339 Barbering, cosmetology, and related service, n.e.c.

### 34 AMUSEMENT AND RECREATION SERVICE

340 Bowling alley and billiard parlor services  
 341 Golf course, tennis court, skating rink, & rel. serv.  
 342 Amusement device and concession work  
 343 Gambling hall services  
 344 Ushering  
 346 Wardrobe and dressing-room services  
 349 Amusement and recreation services, n.e.c.

### 35 MISCELLANEOUS PERSONAL SERVICE

350 Ship steward/stewardess service  
 351 Rail passenger service  
 352 Host/hostess and steward/stewardess service, n.e.c.  
 353 Guide service, except hunting and fishing  
 354 Unlicensed birth attendant and practical nursing serv.  
 355 Attendant work, hosps., morgues, & rel. health serv.  
 356 Animal care, n.e.c.  
 357 Baggage porter service  
 358 Checkroom, locker room, and restroom services  
 359 Miscellaneous personal services, n.e.c.

### 36 APPAREL & FURNISHINGS SERVICE

361 Laundering service  
 362 Dry cleaning service  
 363 Pressing service  
 364 Dyeing & related services  
 365 Shoe & luggage repair & related services  
 366 Shoe shining & related services  
 369 Apparel & furnishings services, n.e.c.

### 37 PROTECTIVE SERVICE

371 Bridge tending & crossing guard services  
 372 Guard and related services  
 373 Fire protection service  
 375 Police & related work, public service  
 376 Police & related work, except in public service  
 377 Law enforcement work, n.e.c.  
 378 Military service  
 379 Protective services, n.e.c.

### 38 BUILDING AND RELATED SERVICE

381 Cleaning and related services  
 382 Janitorial services  
 388 Elevator services  
 389 Building and related services, n.e.c.

### FARMING, FISHERY, FORESTRY, & RELATED WORK

#### 40 PLANT FARMING

401 Grain farming  
 402 Cotton farming  
 403 Vegetable farming  
 404 Fruit and nut farming  
 405 Crop specialty farming  
 406 Horticultural specialty work  
 407 Gardening & groundskeeping  
 409 Plant farming, n.e.c.

#### 41 ANIMAL FARMING

411 Dairy farming  
 412 Poultry farming  
 413 Livestock farming  
 419 Animal farming, n.e.c.

#### 42 MISCELLANEOUS FARMING & RELATED

421 General farming  
 422 Farm irrigation  
 423 Farm couples  
 424 Farm machinery operating, n.e.c.  
 429 Miscellaneous farming & related work, n.e.c.

#### 43 FISHERY AND RELATED

431 Net, seine, and trap fishing  
 432 Line fishing  
 433 Fishing, miscellaneous gear  
 435 Whaling  
 436 Marine life cultivation & related work  
 437 Sponge & seaweed gathering  
 439 Fishery & related work, n.e.c.

## 44 FORESTRY

- 441 Forest conservation work
- 442 Forest products production, except logging
- 449 Forestry, n.e.c.

## 45 HUNTING, TRAPPING AND RELATED

- 451 Hunting and trapping
- 452 Guide services, hunting and fishing

## 46 AGRICULTURE SERVICE

- 461 Cotton ginning and compressing
- 465 Blight and pest control and bindweed eradicator
- 466 Animal care
- 467 Animal science services
- 469 Agricultural services, n.e.c.

PROCESSING

## 50 PROCESSING OF METAL

- 500 Electroplating
- 501 Dip plating
- 502 Melting, pouring, casting, and related work
- 503 Pickling, cleaning, degreasing, and related work
- 504 Heat treating
- 505 Metal spraying, coating, and related work
- 509 Metal processing, n.e.c.

## 51 ORE REFINING AND FOUNDRY

- 510 Mixing and related work
- 511 Separating, filtering, and related work
- 512 Melting
- 513 Roasting
- 514 Pouring and casting
- 515 Crushing and grinding
- 518 Molding, coremaking, and related work
- 519 Ore refining and foundry work, n.e.c.

## 52 PROCESSING OF FOOD, TOBACCO AND RELATED PRODUCTS

- 520 Mixing, compounding, blending, kneading, shaping, and related work
- 521 Separating, crushing, milling, chopping, grinding, and related work
- 522 Culturing, melting, fermenting, distilling saturating, pickling, aging, and related work
- 523 Heating, rendering, melting, drying, cooling, freezing, and related work
- 524 Coating, icing, decorating, and related work
- 525 Slaughtering, breaking, curing, and related work
- 526 Cooking and baking, n.e.c.
- 529 Processing, food and related products, n.e.c.

## 53 PROCESSING OF PAPER AND RELATED MATERIALS

- 530 Grinding, beating, and mixing
- 532 Cooking and drying
- 533 Cooling, bleaching, screening, washing, and rel. work
- 534 Calendering, sizing, coating, and related work
- 535 Forming, n.e.c.
- 539 Processing, paper and related materials, n.e.c.

## 54 PROCESSING OF PETROLEUM, COAL, NATURAL AND MANUFACTURED GAS AND RELATED PRODUCTS

- 540 Mixing and blending
- 541 Filtering, straining, and separating
- 542 Distilling, subliming, and carbonizing
- 543 Drying, heating, and melting
- 544 Grinding and crushing
- 546 Reacting, n.e.c.
- 549 Processing, petroleum and related products, n.e.c.

## 55 CHEMICALS, PLASTICS, SYNTHETICS, RUBBER, PAINT, AND RELATED PRODUCTS

- 550 Mixing and blending
- 551 Filtering, straining, and separating
- 552 Distilling
- 553 Heating, baking, seasoning, melting, and heat treating
- 554 Coating, calendering, laminating, and finishing
- 555 Grinding and crushing
- 556 Casting and molding, n.e.c.
- 557 Extruding
- 558 Reacting, n.e.c.
- 559 Processing, chemicals and related products, n.e.c.

## 56 WOOD AND WOOD PRODUCTS

- 560 Mixing and related work
- 561 Wood preserving and related work
- 562 Saturating and related work, n.e.c.
- 563 Drying, seasoning, and related work
- 569 Processing, wood and wood products, n.e.c.

## 57 STONE, CLAY, GLASS, AND RELATED PRODUCTS

- 570 Crushing, grinding, and mixing
- 571 Separating
- 572 Melting
- 573 Baking, drying, and heat treating
- 574 Impregnating, coating, and glazing
- 575 Forming
- 579 Processing, nonmetallic minerals & rel. products, n.e.c.

## 58 LEATHER, TEXTILES, AND RELATED PRODUCTS

- 580 Shaping, blocking, stretching, and tentering
- 581 Separating, filtering, and drying
- 582 Washing, steaming, and saturating
- 583 Ironing, pressing, glazing, staking, calendering, and embossing
- 584 Mercerizing, coating, and laminating
- 585 Singeing, cutting, shearing, shaving, and napping
- 586 Felting and fulling
- 587 Brushing and shrinking
- 589 Processing, leather and textiles, n.e.c.

## 59 PROCESSING OCCUPATIONS, N.E.C.

- 590 Processing, assorted materials
- 599 Miscellaneous processing, n.e.c.

MACHINE TRADES

## 60 METAL MACHINING

600 Machining and related work  
 601 Toolmaking and related work  
 602 Gear machining  
 603 Abrading  
 604 Turning  
 605 Milling and planing  
 606 Boring  
 607 Sawing  
 609 Metal machining, n.e.c.

## 61 METALWORKING OCCUPATIONS, N.E.C.

610 Hammer forging  
 611 Press forging  
 612 Forging, n.e.c.  
 613 Sheet and bar rolling  
 614 Extruding and drawing  
 615 Punching and shearing  
 616 Fabricating machine work  
 617 Metal forming, n.e.c.  
 619 Miscellaneous metalworking, n.e.c.

## 62, 63 MECHANICS AND MACHINERY REPAIRERS

620 Motorized vehicle and engineering equipment repairing  
 621 Aircraft repairing  
 622 Rail equipment repairing  
 623 Marine equipment repairing  
 624 Farm machinery repairing  
 625 Engine, power transmission, and rel. equipment rep.  
 626 Metalworking machinery repairing  
 627 Printing and publishing machinery repairing  
 628 Textile machinery and equipment repairing  
 629 Special industry machinery repairing  
 630 General industry machinery repairing  
 631 Powerplant machinery repairing  
 632 Ordnance and accessory repairing  
 633 Business and commercial machine repairing  
 637 Utility equipment repairing  
 638 Miscellaneous machine installation and repairing  
 639 Mechanical repairing, n.e.c.

## 64 PAPERWORKING

640 Paper cutting, winding, and related work  
 641 Folding, creasing, scoring, and gluing  
 642 Paper sewing  
 643 Paper corrugating  
 644 Paper fastening, n.e.c.  
 649 Paperworking, n.e.c.

## 65 PRINTING

650 Typesetting and composing  
 651 Printing press work  
 652 Printing machine work  
 653 Bookbinding and related work  
 654 Typecasting and related work  
 659 Printing, n.e.c.

## 66 WOOD MACHINING

660 Cabinetmaking  
 661 Patternmaking  
 662 Sanding  
 663 Shearing and shaving  
 664 Turning  
 665 Milling and planing  
 666 Boring  
 667 Sawing  
 668 Chipping  
 669 Wood machining, n.e.c.

## 67 MACHINING STONE, CLAY, GLASS, &amp; RELATED MATERIALS

670 Stonecutting and related work  
 673 Abrading and polishing  
 674 Turning  
 675 Planing and shaping, n.e.c.  
 676 Boring and punching  
 677 Chipping, cutting, sawing, & related work  
 679 Machining, nonmetallic minerals & rel. materials, n.e.c.

## 68 TEXTILE

680 Carding, combing, drawing, and related work  
 681 Twisting, beaming, warping, and related work  
 682 Spinning  
 683 Weaving and related work  
 684 Hosiery knitting  
 685 Knitting, except hosiery  
 686 Punching, cutting, forming, & related work  
 689 Textile machine work, n.e.c.

## 69 MACHINE TRADES OCCUPATIONS, N.E.C.

690 Plastics, synthetics, rubber, & leather working  
 691 Insulated wire & cable fabricating  
 692 Fabrication of products from assorted materials  
 693 Modelmaking, patternmaking, & related work  
 694 Fabrication of ordnance, ammunition, & related products, n.e.c.  
 699 Miscellaneous machine work, n.e.c.

BENCH WORK

## 70 FABRICATION, ASSEMBLY, &amp; REPAIR OF METAL PRODUCTS, N.E.C.

700 Fabrication, assembly, & repair of jewelry, silverware, & related products  
 701 Fabrication, assembly, & repair of tools & related products  
 703 Sheet-metal products assembly & repair, n.e.c.  
 704 Engraving, etching, & related work  
 705 Filing, grinding, buffing, cleaning, & polishing, n.e.c.  
 706 Metal unit assembling & adjusting, n.e.c.  
 709 Fabrication, assembly, & repair of metal products, n.e.c.

71 FABRICATION & REPAIR OF SCIENTIFIC & MEDICAL  
APPARATUS, PHOTOGRAPHIC & OPTICAL GOODS,  
WATCHES & CLOCKS, & RELATED PRODUCTS

- 710 Fabrication & repair of instruments for measuring,  
controlling, & indicating physical characteristics
- 711 Fabrication & repair of optical instruments & lenses
- 712 Fabrication & repair of surgical, medical, & dental  
instruments & supplies
- 713 Fabrication & repair of ophthalmic goods
- 714 Fabrication & repair of photographic equipment  
and supplies
- 715 Fabrication & repair of watches, clocks & parts
- 716 Fabrication & repair of engineering & scientific  
instruments & equipment, n.e.c.
- 719 Fabrication & repair of scientific & medical  
apparatus, photographic & optical goods, watches  
& clocks, & related products, n.e.c.

72 ASSEMBLY & REPAIR OF ELECTRICAL EQUIPMENT

- 720 Assembly & repair of radio & television  
receiving sets & phonographs
- 721 Assembly & repair of motors, generators, &  
related products
- 722 Communications equipment assembly & repair
- 723 Assembly & repair of electrical appliances & fixtures
- 724 Winding & assembly of coils, magnets, armatures,  
& related products
- 725 Assembly of light bulbs & electronic tubes
- 726 Assembly & repair of electronic components &  
accessories, n.e.c.
- 727 Storage battery assembly
- 728 Fabrication of electrical wire and cable
- 729 Assembly & repair of electrical equipment, n.e.c.

73 FABRICATION & REPAIR OF PRODUCTS MADE FROM  
ASSORTED MATERIALS

- 730 Fabrication & repair of musical instruments & parts
- 731 Fabrication & repair of games and toys
- 732 Fabrication & repair of sporting goods
- 733 Fabrication & repair of pens, pencils, & office  
& artists' materials, n.e.c.
- 734 Fabrication of notions
- 735 Fabrication & repair of jewelry, n.e.c.
- 736 Fabrication & repair of ordnance & accessories
- 737 Fabrication of ammunition, fireworks, explosives  
& related products
- 739 Fabrication & repair of products made from assorted  
materials, n.e.c.

74 PAINTING, DECORATING, & RELATED OCCUPATIONS

- 740 Brush painting
- 741 Spray painting
- 742 Staining, waxing, & related work
- 749 Painting, decorating, & related work, n.e.c.

75 FABRICATION & REPAIR OF PLASTICS, SYNTHETICS,  
RUBBER, AND RELATED PRODUCTS

- 750 Fabrication & repair of tires, tubes, tire treads,  
& related products
- 751 Laying out and cutting, n.e.c.

- 752 Fitting, shaping, cementing, finishing, and rel. wk.,  
n.e.c.
- 753 Fabrication and repair of rubber and plastic footwear
- 754 Fabrication and repair of miscellaneous plastic  
products
- 759 Fabrication and repair of plastics, synthetics, rubber,  
and related products, n.e.c.

76 FABRICATION AND REPAIR OF WOOD PRODUCTS

- 760 Bench carpentry and related work
- 761 Laying out, cutting, carving, shaping, and sanding,  
n.e.c.
- 762 Assembly of wood products, n.e.c.
- 763 Fabrication and repair of furniture, n.e.c.
- 764 Cooperage
- 769 Fabrication and repair of wood products, n.e.c.

77 FABRICATION AND REPAIR OF SAND, STONE, CLAY, AND  
GLASS PRODUCTS

- 770 Fabrication and repair of jewelry, ornaments, and  
related products
- 771 Stone cutting and carving
- 772 Glass blowing, pressing, shaping, and related work,  
n.e.c.
- 773 Coloring and decorating brick, tile, and related  
products
- 774 Fabrication and repair of pottery and porcelain ware
- 775 Grinding, filing, polishing, frosting, etching,  
cleaning, and related work, n.e.c.
- 776 Fabrication and repair of asbestos and polishing  
products, abrasives, and related materials
- 777 Modelmaking, patternmaking, moldmaking, and  
related work
- 779 Fabrication and repair of sand, stone, clay  
and glass products, n.e.c.

78 FABRICATION AND REPAIR OF TEXTILE, LEATHER, AND  
RELATED PRODUCTS

- 780 Upholstering and mattress and bedspring fabrication  
and repair
- 781 Laying out, marking, cutting, and punching, n.e.c.
- 782 Handsewing, mending, embroidering, knitting,  
and related work, n.e.c.
- 783 Fur working
- 784 Fabrication and repair of hats, caps, gloves,  
and related products
- 785 Tailoring and dressmaking
- 786 Machine sewing, garment
- 787 Machine sewing, nongarment
- 788 Fabrication and repair of footwear
- 789 Fabrication and repair of textiles, leather,  
and related products, n.e.c.

79 BENCH WORK OCCUPATIONS, N.E.C.

- 790 Preparation of food, tobacco, and related products,  
n.e.c.
- 794 Fabrication of paper products, n.e.c.
- 799 Miscellaneous bench work, n.e.c.

STRUCTURAL WORK

## 80 METAL FABRICATING, N.E.C.

800 Riveting  
 801 Fitting, bolting, screwing, & related work  
 804 Sheet metal work  
 805 Boilermaking & related work  
 806 Transportation equipment assembling & related work  
 807 Body work, transportation equipment  
 809 Miscellaneous metal fabricating, n.e.c.

## 81 WELDERS, FLAME CUTTERS, AND RELATED

810 Arc welding  
 811 Gas welding  
 812 Combination arc and gas welding  
 813 Resistance welding  
 814 Brazing, braze-welding, & soldering  
 815 Lead burning  
 816 Flame and arc cutting  
 819 Welding, flame cutting, & related work, n.e.c.

## 82 ELECTRICAL ASSEMBLING, INSTALLING, &amp; REPAIRING

820 Generator, motor, & related powerplant equipment assembly, installation, & repair  
 821 Transmission & distribution line & circuit assembly, installation, & repair  
 822 Wire communication, detection, & signaling equipment assembly, installation, & repair  
 823 Electronic communication, detection, & signaling equipment assembly, installation, & repair  
 824 Lighting equipment & building wiring assembly, installation, & repair, n.e.c.  
 825 Transportation & materials handling equipment assembly, installation, & repair, n.e.c.  
 826 Industrial apparatus assembly, installation, and repair, n.e.c.  
 827 Large household appliances & similar commercial & industrial equipment assembly, installation, & repair  
 828 Electrical & electronic product fabrication, installation, & repair, n.e.c.  
 829 Assembly, installation, & repair of electrical products, n.e.c.

## 84 PAINTING, PLASTERING, WATERPROOFING, CEMENTING, AND RELATED

840 Construction & maintenance painting & related work  
 841 Paperhanging  
 842 Plastering & related work  
 843 Waterproofing & related work  
 844 Cement & concrete finishing & related work  
 845 Transportation equipment painting & related work  
 849 Painting, plastering, waterproofing, cementing, & related work, n.e.c.

## 85 EXCAVATING, GRADING, PAVING, &amp; RELATED

850 Excavating, grading, & related work  
 851 Drainage & related work  
 852 Concrete paving  
 853 Asphalt paving  
 859 Excavating, grading, paving, & related work, n.e.c.

## 86 CONSTRUCTION OCCUPATIONS, N.E.C.

860 Carpentry and related work  
 861 Brick and stone masonry and tile setting  
 862 Plumbing, gas fitting, steam fitting, and related work  
 863 Asbestos and insulation work  
 864 Floor laying and finishing work  
 865 Glass setting and related work  
 866 Roofing and related work  
 869 Miscellaneous construction work, n.e.c.

## 89 STRUCTURAL WORK OCCUPATIONS, N.E.C.

891 Structural maintenance, n.e.c.  
 892 Hoisting and conveying, n.e.c.  
 899 Miscellaneous structural work, n.e.c.

MISCELLANEOUS WORK

## 90 MOTOR FREIGHT

900 Concrete-mixing-truck driving  
 902 Dump-truck driving  
 903 Truck driving, inflammables  
 904 Trailer-truck driving  
 905 Heavy truck driving  
 906 Light truck driving  
 909 Motor freight transportation, n.e.c.

## 91 TRANSPORTATION OCCUPATIONS, N.E.C.

910 Railroad transportation  
 911 Water transportation  
 912 Air transportation  
 913 Passenger transportation, n.e.c.  
 914 Pumping and pipeline transportation  
 915 Parking lot and related service work  
 919 Miscellaneous transportation work, n.e.c.

## 92 PACKAGING AND MATERIALS HANDLING

920 Packaging  
 921 Hoisting and conveying  
 922 Materials moving and storing, n.e.c.  
 929 Packaging and materials handling, n.e.c.

## 93 OCCUPATIONS IN EXTRACTION OF MINERALS

930 Boring, drilling, cutting, and related work  
 931 Blasting  
 932 Loading and conveying  
 933 Crushing  
 934 Screening and related work  
 939 Extraction of minerals, n.e.c.

## 94 OCCUPATIONS IN LOGGING

940 Timber cutting and related work  
 941 Log inspecting, grading, scaling, and related work  
 942 Log sorting, gathering, storing, and related work  
 949 Logging, n.e.c.

## 95 PRODUCTION AND DISTRIBUTION OF UTILITIES

950 Stationary engineering  
951 Firing and related work  
952 Generation, transmission, and distribution  
    of electric light and power  
953 Production and distribution of gas  
954 Filtration, purification, and distribution of water  
955 Refuse and sewage disposal  
956 Distribution of steam  
957 Transmission of communications, n.e.c.  
959 Production and distribution of utilities, n.e.c.

96 AMUSEMENT, RECREATION, AND MOTION PICTURE  
OCCUPATIONS, N.E.C.

960 Motion picture projecting  
961 Modeling and related work, n.e.c.  
962 Motion picture production, n.e.c.  
963 Radio and television production, n.e.c.  
964 Theatrical and related entertainment production, n.e.c.  
969 Miscellaneous amusement, recreation, and motion  
    picture work, n.e.c.

## 97 GRAPHIC ART WORK

970 Art work, brush, spray, or pen  
971 Photoengraving  
972 Lithography and related work  
973 Hand composition, typesetting, and related work  
974 Electrotyping and related work  
975 Stereotyping and related work  
976 Darkroom work, n.e.c.  
977 Bookbinding and related work  
979 Graphic art work, n.e.c.

## 999 INFORMATION NOT AVAILABLE







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# **ANNUAL PLANNING INFORMATION REPORT FISCAL YEAR 1982 LAWRENCE- HAVERHILL SMSA**



LABOR AREA RESEARCH PUBLICATION

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Massachusetts Division of Employment Security

job market research





ANNUAL PLANNING INFORMATION REPORT

FISCAL YEAR 1982

LAWRENCE-HAVERHILL, MASSACHUSETTS

STANDARD METROPOLITAN STATISTICAL AREA

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## P R E F A C E

The Annual Planning Information Report (APIR) is an analytical and statistical report which summarizes employment developments and problems in a specific labor area. The report covers developments for the area as a whole, and for specific sections within the area where manpower and unemployment problems are concentrated.

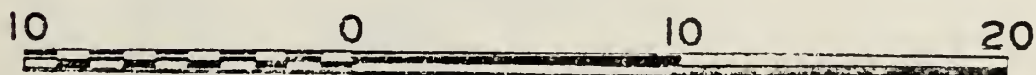
The APIR is intended for public distribution to manpower and community planners, educators, local and state officials, business, labor, and community leaders who need accurate and timely labor market information for planning purposes. Data and analyses contained in the Annual Planning Information Report aid in carrying out local, state, regional, and national office responsibilities; also, manpower utilization programs, and Federal efforts to alleviate local unemployment.



# LAWRENCE-HAVERHILL SMSA



MASSACHUSETTS DEPARTMENT OF COMMUNITY AFFAIRS  
BUREAU OF REGIONAL PLANNING



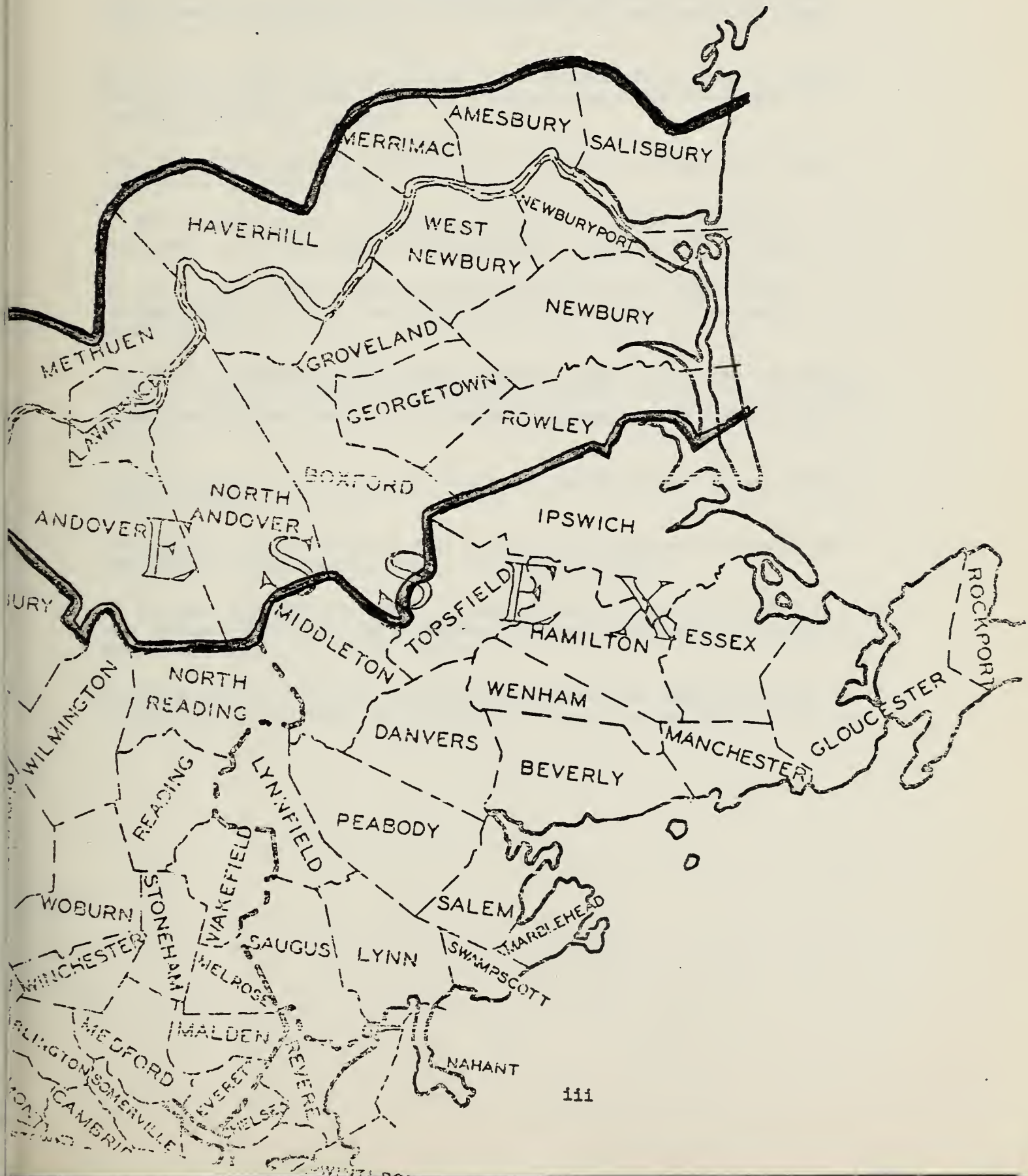
SCALE IN MILES

as defined by

U. S. Office of Mgmt & Budget  
27 April 1973



LAWRENCE CETA AREA





## I. Highlights and Conclusions

During the next few years the economy in the Lawrence-Haverhill SMSA should remain strong but in all probability will not enjoy the rapid expansion of the past 3 years.

From 1970 to 1980, the population of the Massachusetts portion of the Lawrence-Haverhill SMSA grew by 4.5 percent while the New Hampshire portion grew by 35.7 percent.

The labor force participation rate for women and teenagers has risen sharply in the past decade.

In 1980 durable goods employment made up 25.5 percent of nonfarm employment while nondurable goods employment made up 13.5 percent.

Of the 8 major labor areas only Boston and Worcester have higher average hourly earnings for production workers than the Lawrence-Haverhill SMSA.

The Lawrence-Haverhill SMSA annual average unemployment rate decreased from 6.5 percent in 1979 to 6.0 percent in 1980. Since 1975 the average annual unemployment rate in the Lawrence-Haverhill SMSA has steadily declined.

There has been a decrease, over the year, in the number of new hires in durable goods.

The number of job openings listed with the Lawrence and Haverhill DES employment offices has declined in the past 12 months.

In the past 3 years the number of teenage and Hispanic applicants in the Lawrence-Haverhill DES employment offices increased by respective growth rates of 47.2 and 84.7 percent.

Lawrence CETA will receive \$8 million this year, an amount which is substantially less than the \$15 million it received in the previous year.

## II. Definition and Description of the Area

### A. Definition of the Area

The Lawrence-Haverhill Massachusetts-New Hampshire SMSA is located in Northeastern Massachusetts and Southeastern New Hampshire. It includes the cities of Lawrence and Haverhill, the towns of Amesbury, Andover, Georgetown, Groveland, Merrimac, Methuen, North Andover, Salisbury, and West Newbury in Massachusetts; and the towns of Atkinson, Hampstead, Kingston, Newton, Plaistow, Salem and Windham in New Hampshire.

### B. Definition of Lawrence CETA

The Lawrence CETA area includes the cities of Lawrence and Haverhill, the towns of Amesbury, Andover, Boxford, Georgetown, Groveland, Newbury, Newburyport, North Andover, Methuen, Merrimac, Rowley, Salisbury, and West Newbury.

### C. The Job Service

The Lawrence-Haverhill SMSA is serviced by two Job Service Offices.

#### Lawrence Office

Lawrence  
Andover  
North Andover  
Methuen

#### Haverhill Office

Haverhill  
Merrimac  
Groveland  
Georgetown  
Boxford

As a labor exchange, local job service offices match workers' skills and interests with employer job openings. Among the functions involved in this process are:

Interviewing jobseekers and identifying their job skills, knowledge and interests.

Listing job openings received from employers.

Referring applicants who meet the hiring requirements of the jobs listed.

Counseling and testing jobseekers who are not easily placed to assist them in obtaining suitable employment.

In addition to labor exchange activities under the Wagner-Peyser Act of 1933, Job Services offices are involved in the administration of 25 other laws, 17 Executive orders, and 16 agreements with various Federal agencies, requiring the performance of specific duties relating to specially targeted applicant groups. Among these groups are Vietnam-era veterans, the handicapped, older workers, youth, minorities, recipients of AFDC and food stamps, and persons eligible for CETA activities.

Since the inception of CETA in 1973 and its many provisions for individuals with special barriers to employment, the basic role of the job service as a public labor exchange serving job ready applicants and employers with job openings has been reemphasized. Today the role of job matching can be described as one of being devoted to increasing the quantity and quality of placements, improving job search management, developing new tools such as computerized job matching, and building better relationships with private sector employers.

#### D. Geographical Description and Topography

The land surface of the SMSA is generally characterized by rolling hills. Elevations range approximately by 50 to 400 feet above mean sea level but the average elevation is between 150 to 200 feet. The Merrimack River flows through the area and along its banks the cities of Lawrence and Haverhill were founded.

#### E. Transportation

1. Commercial: The SMSA is well served by highway, air and bus, and water transportation facilities. The principal highways serving the area are U.S. Interstate 95 and 93 which run north and south, State Highways 28 and 110 which run east and west, and Interstate 495 which is an outer belt around Boston. There are a number of air facilities available to the area, the largest being Boston's Logan International Airport which is only 27 miles away. There are also four commercial air facilities within the area -- Lawrence Municipal in North Andover, Haverhill Airport, Haverhill-Riverside Airport, and North-east Glider Port in Salem, New Hampshire. The major water port facilities available to the SMSA are Boston, Gloucester, Portland, Maine and Portsmouth, New Hampshire.
2. Commuting: Commuters in the area are served by the Merrimack Valley - RTA. It provides intercity bus service between Haverhill, Methuen, Lawrence, Andover and North Andover.

### III. Economic Assumptions

For the next few years the area's economy should continue to grow although at a slower rate than it has in the past 3 years. This optimism is the result of both firm expansion and relocation now taking place within the SMSA. The following are some of the firms that anticipate employment growth within the coming months. Digital plans to hire an additional 1,000 workers once its plant in Andover is completed. Aster Engineering Corporation, a manufacturer of aircraft and electrical components, plans to construct an industrial plant in Haverhill. The firm will hire an additional 120 workers to staff the new plant. Prudential Insurance Company is building a two story office building in Lawrence and this facility will house 300 employees. Visual Technology, a high tech company in Andover that produces video display terminals, expects to create 100 new jobs thanks to a \$4 million loan from the Massachusetts Capitol Resources Company. A new \$27 million hydroelectric plant in Lawrence will soon be producing electricity. Water power which once played a key role in making Lawrence into an industrial city, may again attract industries into Lawrence, especially energy intensive industries. Microfab, which manufactures printed circuit boards, is enlarging its plant in Amesbury and once construction is completed it will hire an additional 125 workers. Parlex, manufacturer of interconnecting and packaging products for electronic equipment, is also adding to its plant in Methuen. When the addition is finished, about 400 workers will be needed.

The increase in defense spending should eventually create new jobs in the Lawrence-Haverhill SMSA. About 10 percent of the defense contracts coming into the state goes to the Lawrence-Haverhill Labor area. The Lawrence-Haverhill labor area received in 1979, \$107,172,000 dollars worth of defense contracts which was .005 percent of the national total. Raytheon in Andover is a prominent defense contractor.

There is a "dark cloud" over the shoe industry. That "cloud" is the fact that the import limitation agreements of non-rubber footwear from Taiwan and Korea were not renewed by President Reagan. Most of the area's shoe manufacturers believe that they can now compete with European shoe manufacturers but cannot match the lower wages of the Far East which allows production of a far less expensive shoe.

What the foregoing will eventually mean to the area's shoe industry it is too early to predict but it could eventually signal the demise of a few local manufacturers.

ASSUMPTIONS AND PROJECTIONS FOR THE ECONOMY  
COMMONWEALTH OF MASSACHUSETTS  
FEDERAL FISCAL YEAR 1982 (FFY'82)

The Job Market Research staff of the Division of Employment Security gathers data; analyzes and reports on changes in the state's employment and unemployment situation. Even utilizing the most current data and computer models of the state and national economies, it is difficult to project future economic conditions. Forecasting is especially difficult during times of rapid change, such as we have been experiencing. The economic forecasts presented in this report are based on data available at the end of May, 1981.

1) Employment

Total employment in Massachusetts, reported in the Current Population Statistics (CPS) series, is expected to average 2,814,000 during FFY'82, an increase of about 30,000 from FFY'81.

Nonagricultural wage and salary jobs, reported in the Current Employment Statistics series (CES-790) is expected to average 2,731,100, an increase of 50,000 jobs from FFY'81 to FFY'82.

It is important to remember that the CPS estimates the number of people employed or unemployed based on their place of residence, whereas the CES-790 estimates the number of jobs based on employer location. Massachusetts has traditionally had a large proportion of dual job holders. Much of the job increase in services and in wholesale and retail trade will be part-time positions.

PROJECTED EMPLOYMENT BY INDUSTRY GROUP

Industry	Employment (in 000's)		
	FFY 1980 (Actual)	FFY 1981 (Projected) <sup>1/</sup>	FFY 1982 (Projected)
TOTAL NONAGRICULTURAL EMPLOYMENT	2642.2	2679.1	2731.1
Manufacturing - Total	675.7	669.1	681.6
Durable Goods	409.5	410.8	425.1
Nondurable Goods	266.2	258.3	256.5
Construction	74.8	74.3	81.7
Transportation, Communications and Public Utilities	122.0	124.8	125.2
Wholesale and Retail Trade	570.7	579.2	594.0
Finance, Insurance and Real Estate	157.6	162.5	165.4
Services	629.2	664.8	690.1
Government	412.3	404.3	393.1
Federal	58.5	57.5	56.0
State	97.5	98.6	96.6
Local	256.5	248.2	240.5

<sup>1/</sup> Projection based on actual data for seven months and estimates for five months.

## 2) Unemployment

We project that Massachusetts' unemployment rate will average 5.7 percent during FFY'82, down from 5.9 percent in FFY'81 and one to one-and-a-half percentage points below the national average of 6.9 percent in FFY'82.

M A S S A C H U S E T T S					U.S.
	Labor Force (in 000's)	Employment (in 000's)	Unemployment (in 000's)	Unemp. Rate(%)	Unemp. Rate(%)
FFY'80	2863.6	2703.3	160.3	5.6	6.8
FFY'81	2957.1	2783.8	173.3	5.9	7.4
FFY'82	2984.1	2814.0	170.1	5.7	6.9

## 3) Labor Turnover in Manufacturing

Due to a strengthening economy, the number of layoffs is anticipated to decline in FFY'82. On the other hand, the level of quits may also be comparatively low, reflecting in part some uncertainty among the labor force about the strength of the job market. Recalls, which are a function of prior layoffs will be low. The growth in the durable goods industries will be reflected in a stronger rate of new hires.

## 4) Wages and Inflation

Wages are expected to increase by 8.7 percent, down slightly from the 9.5 percent increase in FFY'81. Total Massachusetts personal income, however, is expected to rise by nearly 11.5 percent. If the proposed decrease in federal personal income taxes takes effect, total disposable income may rise by as much as 12.5 percent. For the first time in several years, the increase in personal income will be greater than the rate of inflation. The era of double-digit inflation is expected to end during FFY'82. The projected increase in the Boston Consumer Price Index (CPI) is 8.7 percent, down from the 11.4 percent in FFY'81. Massachusetts' FFY'81 and '82 rates are both below the national CPI increases for these periods.

## 5) Credit

Consumers wanting loans of any type; mortgage, home repair, car, or personal; will find that the supply of money will continue to be very tight, with interest rates remaining variable but high throughout FFY'82. Currently, interest rates on home mortgages are over 16 percent, on personal loans over 18 percent, and on commercial and construction loans about 20 percent, however, loans are being made at both higher and lower rates. Banks and credit unions have significantly decreased or stopped making certain kinds of loans altogether.

A major cause of the tight money situation is the shift of money from regular savings accounts, where rates are limited by law, to savings certificates, money market accounts, and treasury obligations. All interest rates are sensitive to changes in U.S. Treasury and Federal Reserve Bank Policies. The size of the Federal tax cut and of the Federal budget deficit will influence the amount and cost of credit in FFY'82. More loan money is expected to go to commercial borrowers next year rather than to those purchasing homes or cars.

There are several pieces of legislation pending before Congress which are expected to affect the level of savings, and thus the amount of credit available. Perhaps the most important is the tax cut, which will increase the amount of disposable (and potentially savable) income. Congress is also considering bills that would: 1.) free certain amounts of savings income from taxes, and 2.) gradually lift the restrictions on the amount of interest banks can pay on passbook accounts.

#### 6) Defense Contracts

Defense contract spending is expected to increase. The dollar value of military prime contracts going to Massachusetts firms has been over five percent of the total awarded nationally for the last three years. We expect our percentage share of the awards to remain steady or increase slightly. With the proposed increase in military spending in the coming years, defense contracts in Massachusetts should provide strong support for the state's economy.

#### 7) Energy

Energy costs are not expected to rise as rapidly during FFY'82 as they have in the recent past. From January 1979 to January 1981 the average price for a gallon of home heating oil rose 104.7 percent in Massachusetts. Continued conservation and conversion to less expensive energy sources will help to hold future prices down. The industrial mix in Massachusetts is not, relatively, energy intensive, therefore, we do not expect that rising energy costs will hurt our industrial production to the extent it may in the rest of the nation. The present world oil glut should moderate gasoline and oil prices. The unknown in the energy situation remains Mideast political conflicts.

#### 8) Exports

Massachusetts will continue to rank among the top ten states exporting manufactured products. Our leading exports will remain high technology equipment: instruments, electronic equipment, and computers. The actual demand for these products will be influenced by the rate of economic recovery in the European Common Market countries.

#### IV. Population and Labor Force Characteristics

The projected 1982 population for the Lawrence-Haverhill SMSA is 281,981. This is a 9.0 percent increase over the 1970 population. In the past decade there has been both significant growth and declines among certain age groups in the area. The number of youths under 16 years old has decreased by 6.5 percent. This decrease was the result of the declining birth rate in recent years. The number of persons aged 20-24 grew by 27.5 percent and was the result of many families with young children moving into the area in the 1960's in addition to the high birth rate of the 1950's. Another age group that expanded greatly was the 25-34 years age group which grew by 22.6 percent. The growth was also the result of migration into the area and along with the high birth rate of the late 1940's.

The labor force, in the past 12 years, has expanded at a rate 3 times greater than that of the population. One of the reasons for this expansion is a greater labor force participation rate among women and teenagers. Inflation appears to have forced many secondary workers (females and teenagers) into the labor market since many primary workers' wages have not kept pace with inflation. The growth in the labor force was also aided by the change in the age composition of the population. The 25-44 age group increased its number by 24.8 percent. This age group has a higher percentage of its members in the labor force.

Between 1970 and 1980 the population in the Lawrence-Haverhill SMSA grew by 8 percent. The New Hampshire portion grew by 35.7 percent while the Massachusetts portion increased by 4.5 percent. The Massachusetts towns that had substantial growth were Amesbury, 22.7 percent; North Andover, 23.6 percent, Salisbury, 42.9 percent; and West Newbury, 26.9 percent. The city of Lawrence lost 5.6 percent of its population. However, Haverhill, one of the few cities in Massachusetts whose population increased, gained 1.6 percent in the number of residents.

Table I  
Population Composition for 1970 and Population  
Projections for Fiscal Year 1982

	1970 Population	Projected 1982	Change	Percentage Change
<b>TOTAL</b>	258,876	282,084	+23,208	+ 9.0
<u><b>White Male</b></u>	122,875	133,473	+10,598	+ 8.6
0 - 14	37,349	34,903	- 2,446	- 6.6
15 - 19	11,081	10,355	- 726	- 6.6
20 - 24	7,922	10,767	+ 2,845	+ 35.9
25 - 34	14,364	17,318	+ 2,954	+ 20.6
35 - 44	14,014	17,475	+ 3,461	+ 24.7
45 - 64	26,422	29,142	+ 2,720	+ 10.3
65+	11,723	13,513	+ 1,790	+ 15.3
<u><b>White Female</b></u>	133,812	145,679	11,867	+ 8.9
0 - 14	35,803	33,158	- 2,645	- 7.4
15 - 19	11,003	10,190	- 813	- 7.4
20 - 24	9,668	11,579	+ 1,911	+ 19.8
25 - 34	15,077	18,933	+ 3,856	+ 25.6
35 - 44	14,178	18,194	+ 4,016	+ 28.3
45 - 64	29,564	31,726	+ 2,162	+ 7.3
65+	18,519	21,899	+ 3,380	+ 18.3
<u><b>Nonwhite Male</b></u>	1,050	1,395	+ 345	+ 32.9
0 - 14	410	520	+ 110	+ 26.8
15 - 19	73	92	+ 19	+ 26.0
20 - 24	34	124	+ 90	+264.7
25 - 34	191	124	- 67	- 35.1
35 - 44	121	241	+ 120	+ 99.2
45 - 64	125	221	+ 96	+ 76.8
65+	96	73	- 23	- 24.0
<u><b>Nonwhite Female</b></u>	1,139	1,537	398	+ 34.9
0 - 14	392	532	+ 140	+ 35.7
15 - 19	63	85	+ 22	+ 34.9
20 - 24	100	128	+ 28	+ 28.0
25 - 34	183	174	- 9	- 4.9
35 - 44	138	238	+ 100	+ 72.5
45 - 64	151	254	+ 14	+ 12.5
65+	112	126	+ 14	+ 12.5

Table 2  
Population of Cities and Towns in the  
Lawrence-Haverhill SMSA in 1970 and 1980

City or Town	1970	1980	Change	Percentage Change
MASSACHUSETTS PORTION	221,208	231,223	10,015	+ 4.5
Lawrence	66,915	63,175	3,740	- 5.6
Haverhill	46,120	46,865	745	+ 1.6
Amesbury	11,388	13,971	2,583	+22.7
Georgetown	5,290	5,687	397	+ 7.5
Groveland	5,382	5,040	342	- 6.4
Andover	23,695	26,370	2,675	+11.3
Merrimac	4,245	4,451	206	4.9
Methuen	35,456	36,701	1,245	+ 3.5
North Andover	16,284	20,129	3,845	+23.6
Salisbury	4,179	5,973	1,794	+42.9
West Newbury	2,254	2,861	607	+26.9
NEW HAMPSHIRE PORTION	37,414	50,758	13,344	+35.7
Atkinson	2,291	4,397	2,106	+91.9
Hampstead	2,401	3,785	1,384	+57.6
Kingston	2,940	4,111	1,171	+39.8
Newton	1,920	3,068	1,148	+59.8
Plaistow	4,712	5,609	897	+19.0
Salem	20,142	24,124	3,982	+19.8
Windham	3,008	5,664	2,656	+99.3

Table 3

## Labor Force Composition Projected Change

1970 - 1982

Lawrence-Haverhill SMSA

Race and Age	April 1, 1970	July 1, 1982	Change 1970 to 1982	
			Number	Percent
TOTAL	112,855	145,327	+32,469	+ 28.8
<u>White Males</u>	65,950	74,501	+ 8,551	+ 13.0
16-17	2,145	3,766	+ 1,621	+ 75.6
18-19	2,423	4,437	+ 2,014	+ 83.1
20-24	6,753	9,249	+ 2,496	+ 37.0
25-34	13,877	15,725	+ 1,848	+ 13.3
35-44	13,610	15,754	+ 2,144	+ 15.8
45-64	23,972	22,739	- 1,233	- 5.1
65+	3,170	2,831	- 339	- 10.7
<u>White Females</u>	46,092	69,624	+23,532	+ 51.1
16-17	1,907	5,088	+ 3,181	+ 166.8
18-19	2,424	4,209	+ 1,785	+ 73.6
20-24	5,860	8,933	+ 3,073	+ 52.4
25-34	6,870	14,200	+ 7,330	+ 106.7
35-44	8,035	14,221	+ 6,186	+ 77.0
45-64	18,749	20,758	+ 2,009	+ 107.2
65+	2,247	2,215	- 32	- 1.4
<u>Nonwhite Males</u>	484	643	+ 159	+ 32.9
16-17	8	20	+ 12	+ 150.0
18-19	5	36	+ 31	+ 620.0
20-24	30	92	+ 62	+ 206.7
25-34	176	99	- 77	- 43.8
35-44	110	192	+ 82	+ 74.5
45-64	118	176	+ 58	+ 49.2
65+	37	28	- 9	- 24.3
<u>Nonwhite Females</u>	329	559	+ 230	+ 69.9
16-17	3	33	+ 30	+1000.0
18-19	14	55	+ 41	+ 292.9
20-24	69	104	+ 35	+ 50.7
25-34	73	79	+ 6	+ 8.2
35-44	87	166	+ 79	+ 90.8
45-64	69	110	+ 41	+ 59.4
65+	14	12	- 2	- 14.3

Table 4  
 LAWRENCE-HAVERHILL LMA  
 Civilian Labor Force, Total Employment  
 Total Unemployment and Unemployment Rates  
 1980 Annual Averages

City/Town	Labor Force	Employment	Unemployment	Unemployment Rate
Lawrence-Haverhill LMI	115,693	108,468	7,225	6.2
Amesbury	5,814	5,478	336	5.8
Andover	11,858	11,233	625	5.3
Georgetown	2,479	2,397	82	3.3
Groveland	2,690	2,551	139	5.2
Haverhill	23,384	21,675	1,709	7.3
Lawrence	36,170	33,828	2,342	6.5
Merrimac	2,013	1,841	172	8.5
Methuen	19,954	18,706	1,248	6.3
North Andover	8,483	8,050	433	5.1
Salisbury	1,915	1,793	122	6.4
West Newbury	1,061	1,042	19	1.8

Source: Labor Area Unemployment Statistics

Table 5  
Lawrence CETA Consortium  
Civilian Labor Force, Total Employment, Total Unemployment  
and Unemployment Rate  
1980 Annual Averages

City/Town	Labor Force	Employment	Unemployment	Unemployment Rate
Lawrence Subgrantee	103,618	97,038	6,580	6.4
Andover	11,858	11,233	625	5.3
Boxford	1,552	1,527	25	1.6
Georgetown	2,479	2,397	82	3.3
Groveland	2,690	2,551	139	5.2
Haverhill	23,384	21,675	1,709	7.3
Lawrence	36,170	33,828	2,342	6.5
Merrimac	2,013	1,841	172	8.5
Newbury	1,975	1,867	108	5.5
Newburyport	8,444	7,748	696	8.2
North Andover	8,483	8,050	433	5.1
Rowley	1,594	1,486	108	6.8
Salisbury	1,915	1,793	122	6.4
West Newbury	1,061	1,042	19	1.8

Source: Labor Area Unemployment Statistics

Table 6  
Lawrence and Haverhill Job Service Centers  
Civilian Labor Force, Total Employment, Total Unemployment  
and Unemployment Rate  
1980 Annual Average

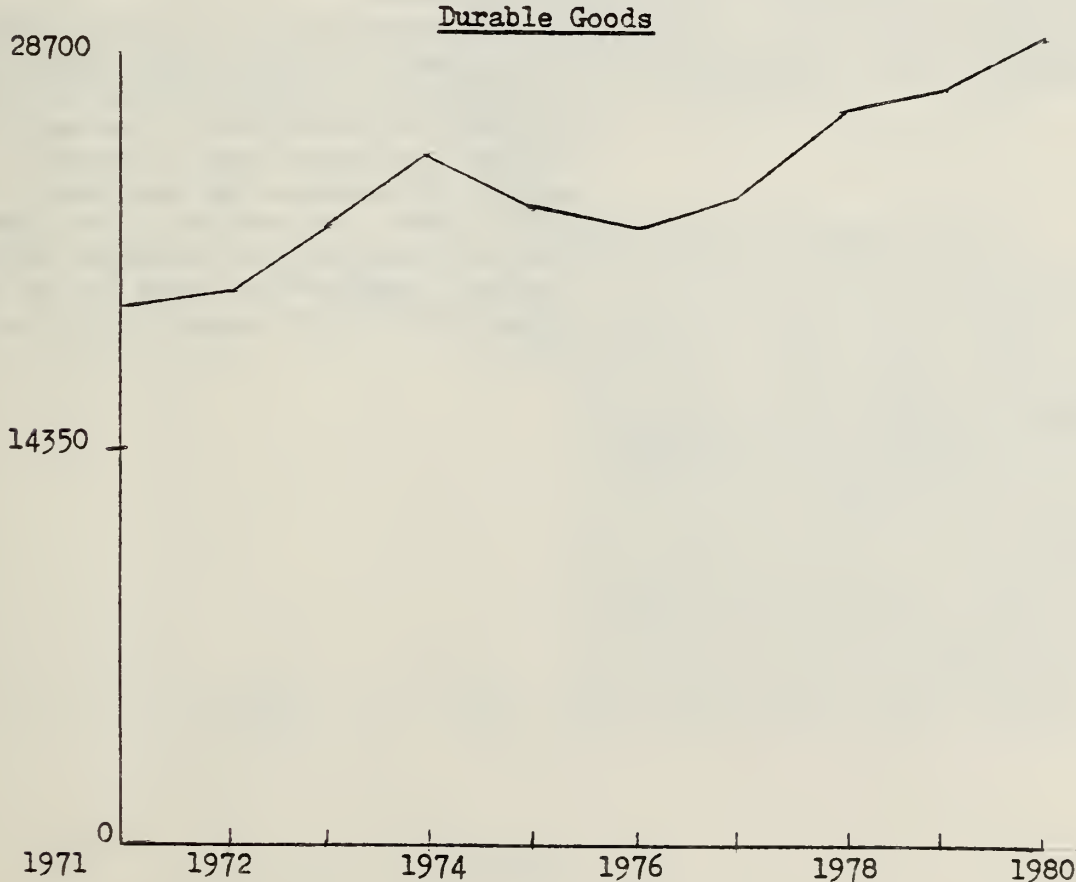
City/Town	Labor Force	Employment	Unemployment	Unemployment Rate
Lawrence Office	76,465	71,817	4,648	6.1
Lawrence	36,170	33,828	2,342	6.5
Andover	11,858	11,233	625	5.3
North Andover	8,483	8,050	433	5.1
Methuen	19,954	18,706	1,248	6.3
Haverhill Office	32,118	29,991	2,127	6.6
Haverhill	23,384	21,675	1,709	7.3
Merrimac	2,013	1,841	172	8.5
Groveland	2,690	2,551	139	5.2
Georgetown	2,479	2,397	82	3.3
Boxford	1,552	1,527	25	1.6

## V. Employment Developments and Outlook by Industry

### Durable Goods

During 1980, durable goods employment grew by 2,600 jobs. This increased its percentage of nonfarm employment to 25.5 percent, an over the year increase of 1.6 percentage points. Most of this growth was among the high technology firms which have either expanded or recently moved into the area. This growth, in recent years, of durable goods payrolls was the result of two factors: first, many of these firms export goods to both foreign and other domestic markets and need easy access to the port of Boston and Logan Airport. Since available commercial land along Route 128 has become scarce, companies that wish to expand must look further north or west; secondly, many of the cities and towns in the area have actively encouraged industrial growth within their community.

Durable goods employment plays a more significant role in the area's economy than its employment numbers indicate. The reason for this is that jobs in this sector tend to pay more than jobs in most other sectors. According to a March 1981 survey on the weekly wages for area workers it was found that the durable goods worker received \$312.42 while the nondurable goods employee received \$242.40.

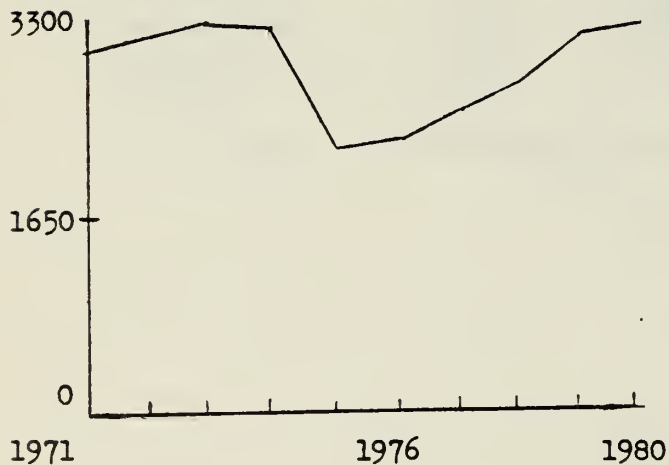
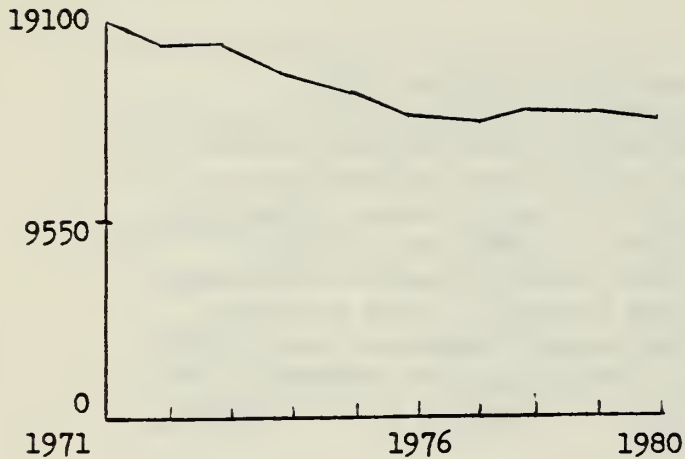


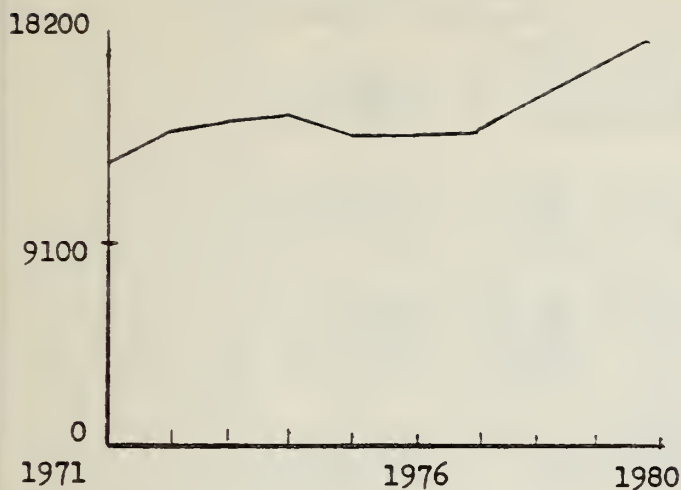
### Nondurable Goods

Nondurable goods employment, the chief industry 50 years ago, is now in a secular downtrend whose importance to the area's economy keeps declining. Presently, only 13.5 percent of the area's nonfarm employment is in this sector as compared to the 21.1 percent it had just 9 years ago. In the past decade the leather industry, as a result of foreign competition, has declined sharply. In 1971 there were 6,700 leather workers, while today the number has been reduced by nearly one half. Approximately 59 percent of leather workers are employed in footwear, 23 percent in boot and shoe cut stock and findings, and 9 percent in leather tannings and finishings. Textiles is also in a long term downtrend but in recent years it has had a reprieve. Textile employment climbed from 2,000 in 1971 to 2,700 in 1978 but in 1979 and 1980 employment has once again begun to edge downward. The textile industry, like leather, is facing stiff foreign competition.

### Construction

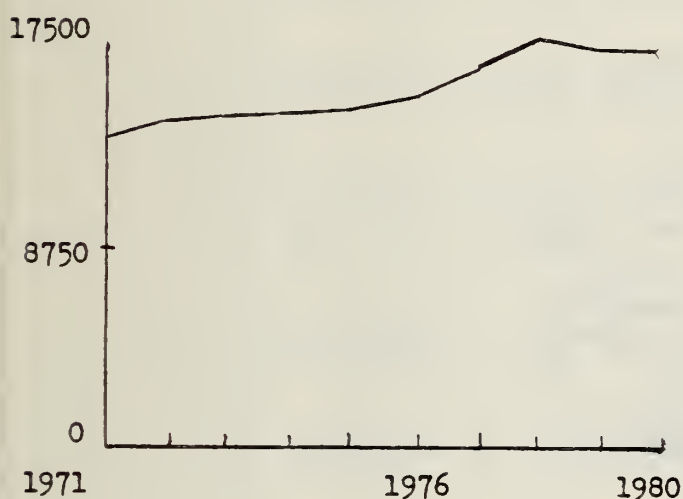
In 1980 construction employment comprised 2.8 percent of nonfarm employment. Special trade contractors made up 60.3 percent, building construction 25.6 percent and construction other than building 14.1 percent of construction employment. In recent years construction of new homes has been held back by high mortgage rates. However, construction gains in the commercial sector have offset losses in the residential sector.





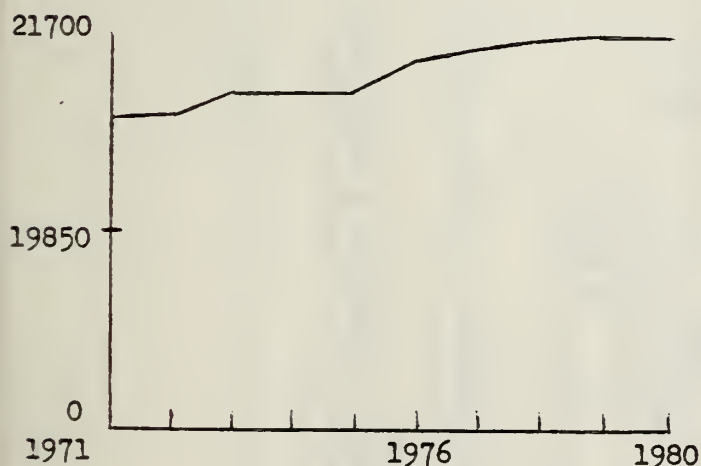
### Service

In 1980 the service sector accounted for 16.2 percent of nonagricultural employment, while in 1971 it totaled 14.1 percent. The industry within the service sector that had the greatest growth was medical and health services. This industry increased its share of the service sector from 33.5 percent in 1971 to 44.3 percent in 1980. For the next few years service employment should grow at a annual rate of 5 percent.



### Government

Government employment now totals 15.1 percent of all nonfarm jobs. Since 1975 there has been a 17.3 percent growth in government employment. Most of this expansion took place at the city or town level. With the enactment of Proposition 2½ there should be a reduction of government jobs at the local level in 1981 and 1982 of 5 and 3 percent respectively. However, in 1983 local government employment should stabilize. In the next 3 years, federal government employment should decline by 4 percent while state government contracts by 3 percent.



### Wholesale and Retail Trade

In the past decade wholesale and retail trade has reflected the state of the economy. It has always made up 19 to 20 percent of total nonfarm employment. Employment ratios of the different industries in this sector are: eating, and drinking places, 24.3 percent; food stores, 13.3 percent; automotive dealers and service stations, 10.0 percent, general merchandise stores, 9.9 percent; and apparel and accessory stores, 5.8 percent. Since the economy is expected to expand for the next few years, wholesale and retail employment should grow with it.

Table 7

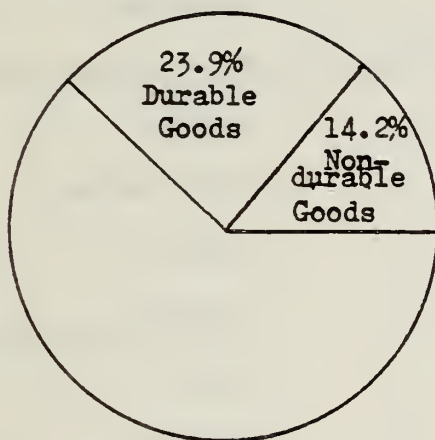
Lawrence-Haverhill, Massachusetts-N.H. SMSA  
Nonagricultural Wage and Salary Employment

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Nonagricultural Wage & Salary Employment	90.2	93.6	98.5	99.8	94.7	94.7	99.0	106.6	109.1	112.6
Manufacturing - Total	38.3	38.3	40.6	41.7	38.4	36.5	37.4	41.2	41.6	43.9
Durable Goods	19.2	19.4	21.9	24.9	22.2	21.4	22.7	25.7	26.1	28.7
Machinery (exec. elec.)	2.2	2.2	2.4	2.6	2.2	2.8	3.3	4.4	INA	INA
Other Durable Goods	17.0	17.2	19.5	22.3	20.2	18.6	19.4	21.3	INA	INA
Nondurable Goods	19.1	18.9	18.7	16.8	16.2	15.1	14.7	15.5	15.5	15.2
Textiles	2.0	2.2	2.4	2.3	2.0	2.3	2.6	2.7	INA	INA
Paper	1.4	1.3	1.4	1.4	1.3	1.3	1.2	1.3	INA	INA
Rubber & Miscellaneous Plastics	2.6	2.8	3.2	2.9	2.4	1.4	1.4	1.7	INA	INA
Leather	6.7	6.2	5.7	4.4	4.7	4.5	4.2	4.3	3.7	3.6
Other Nondurable Goods	6.4	6.4	6.0	5.8	5.8	5.6	5.3	5.5	INA	INA
Nonmanufacturing-Total	51.9	55.3	57.9	58.1	56.3	58.2	61.6	65.4	67.5	68.7
Construction	2.8	3.2	3.3	3.0	2.3	2.4	2.5	2.7	3.0	3.1
Transportation, Communications, and Utilities	2.9	3.3	3.7	3.6	3.5	3.7	4.0	4.2	4.5	4.6
Trade	17.1	17.5	18.5	18.8	18.4	19.5	20.9	21.6	21.7	21.7
Finance, Insurance & Real Estate	2.8	2.9	3.1	3.3	3.3	3.4	3.6	3.8	4.0	4.1
Service, Miscellaneous Mining	12.7	14.1	14.8	14.9	14.3	14.3	14.3	15.6	17.0	18.2
Government	13.6	14.3	14.5	14.5	14.5	14.9	16.3	17.5	17.3	17.0

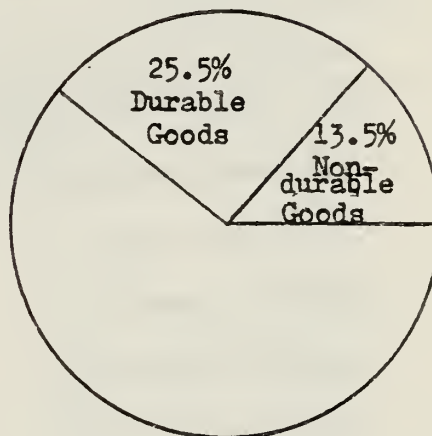
Ratio of Durable Goods and Nondurable Goods to Nonagricultural Wage  
and Salary Employment Lawrence-Haverhill SMSA, Massachusetts  
United States 1979 and 1980

Lawrence-Haverhill SMSA

1979

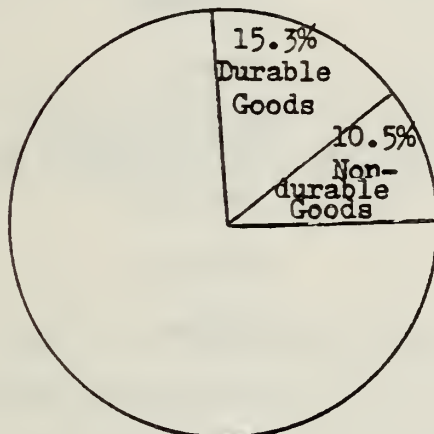


1980

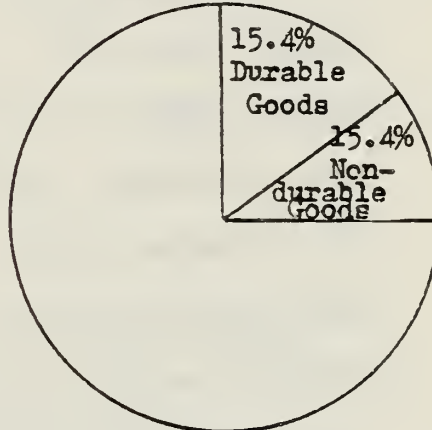


Massachusetts

1979

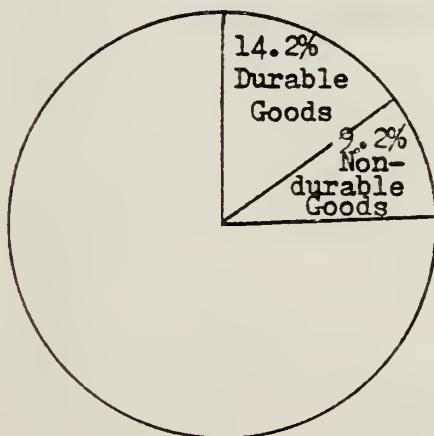


1980



United States

1979



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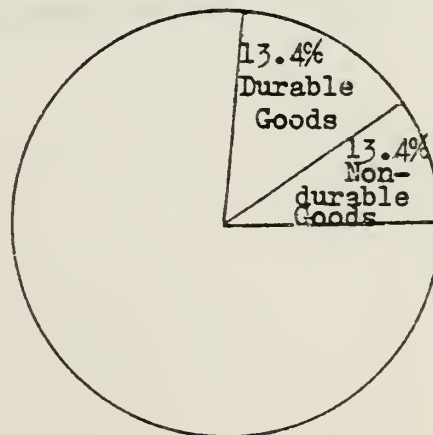


Table 8  
Firms Within the Lawrence-Haverhill SMSA  
That Received Industrial Revenue Bonds in 1980

Name	Location	Estimated Jobs Created
Union Market Realty Trust	Lawrence	31
Bay State Anesthesia Incorp.	North Andover	15
Steel Tech Corp.	Haverhill	35
Andrew Wilson Co.	Lawrence	20
Cressey Dockham Co.	Andover	50
Merrimack Paper Co.	Amesbury	8
Bird Leasing Inc.	North Andover	12
Essex Industries Inc.	Lawrence	21
Graphie Litho Corp.	Lawrence	10
RBS Mfg. Corp.	North Andover	9
Savoy Leather Mfg. Inc.	Haverhill	50
Doctors Medical Center	Lawrence	31
Wang Laboratories Inc.	Methuen	600
Cardinal Shoe Corp	Lawrence	75
Jackson Lumber Co.	Lawrence	31

Source: Massachusetts Industrial Finance Agency

Table 9  
Average Hourly Earnings for Production Workers  
January 1980 & January 1981

	January 1980	January 1981	Percentage Change
Boston	\$7.50	\$6.91	+ 8.5
Brockton	5.58	5.18	+ 7.7
Fall River	5.47	5.22	+ 4.8
Lawrence-Haverhill	6.95	6.53	+ 6.4
Lowell	6.38	5.70	+11.9
New Bedford	6.07	5.69	+ 6.7
Springfield-Chicopee-Holyoke	6.79	6.34	+ 7.1
Worcester	7.10	6.45	+10.1

Source: DES Occupation/Industry Research Dept.

Of the 8 major labor areas only Boston and Worcester have a higher average hourly earnings than the Lawrence-Haverhill SMSA. However, the wage increase over the year for the Lawrence-Haverhill SMSA was only 6.4 percent. Only Fall River had a lower growth rate with a percentage increase of 4.8 percent.

Table 10  
1979 Covered Employment for the Towns in the Massachusetts Portion of the  
Laurence-Haverhill SMSA

	Average Annual Wage	Number Establishments	Total Employment	Agriculture Forestry Fisheries	Mining	Contract Construction	Manu- facturing	Trans. Comm. Utilities	Wholesale And Retail Trade	Finance Insurance Real Estate	Services
Lawrence	\$11,441	1,325	26,395	0	4	603	12,833	1,533	5,170	1,365	4,887
Haverhill	9,882	920	12,392	14	1	416	4,476	711	3,624	569	2,581
Amesbury	9,646	229	3,175	20	0	69	1,714	42	724	97	509
Andover	14,091	521	13,090	69	0	352	7,748	285	1,989	796	1,851
Boxford	10,841	39	172	46	0	35	12	0	36	0	43
Georgetown	9,472	96	648	0	13	58	173	49	178	16	161
Groveland	13,017	59	541	32	0	24	300	41	66	17	61
Newbury	9,605	58	305	6	0	26	94	24	59	2	94
Newburyport	9,902	412	4,609	37	0	78	1,429	199	1,284	235	1,347
North Andover	16,215	276	13,043	18	0	189	8,458	1,104	1,495	237	1,542
Methuen	7,635	555	8,043	60	0	473	1,269	207	3,240	447	2,347
Merrimac	10,172	59	393	0	0	33	139	18	100	19	84
Rowley	8,134	83	642	14	0	29	115	79	239	1	165
Salisbury	9,241	170	1,041	3	0	52	112	141	475	16	242
West Newbury	10,151	18	81	12	0	26	0	0	26	12	5
Total	11,774	4,820	84,570	331	18	2,463	38,872	4,433	18,705	3,829	15,919

Source: Employment and Wages Cities and Towns 1967-1979

## VI. Employment and Outlook by Occupation

Many high technology firms are either moving or expanding within the Lawrence-Haverhill SMSA; therefore, there is a growing demand for persons with electronic, computer, and engineering training.

Table 11  
Occupations That are Expected to Have Above  
Average Percentage Growth Rate for  
1974 to 1985

Occupations	1974	1985	Annual Average Increase	Percentage Increase
Chemical Technicians	86	110	2	27.0
Drafters	732	889	14	21.0
Electrical, Electronic Tech.	533	675	13	27.0
Industrial Engineering Tech.	72	97	2	34.7
Mechanical Engineering Tech.	51	62	1	21.6
Surveyors	106	124	2	17.0
Engineering, Science Tech. n.e.c.	336	401	6	19.3
Dentist	147	209	6	42.2
Optometrists	12	17	--	41.7
Physicians, M.D. Osteopaths	293	380	8	29.7
Therapists	134	196	6	46.3
Veterinarians	11	16	--	45.5
Dental Hygienists	42	115	7	173.5
Health Record Technology Tech.	9	11	--	22.2
Therapy Assistants	4	8	--	46.9
Other Health Technology Tech.	32	47	1	46.9
Airplane Pilots	28	38	1	35.7
Air Traffic Controller	17	21	--	23.5
Tool Programers, Numerical	6	8	--	33.5
Other Technicians, exc. Health	96	162	6	68.8
Computer Programers	343	378	3	10.2
Computer Systems Analysts	193	256	6	32.6
Economists	113	144	3	27.4
Editors and Reporters	185	215	3	16.2
Musicians and Composers	100	121	2	21.0
Painters and Sculptors	135	163	3	20.7
Photographers	135	147	1	8.9
Writers, Artists, Entertainers n.e.c.	97	159	6	63.9
Clergy	289	323	3	11.8
Librarians	95	154	5	62.1
Operations, Systems Research	184	266	7	44.6
Bank, Financial Managers	551	666	10	20.9
Credit Managers	78	90	1	15.4

Table 11  
Occupations That Are Expected to Have Above  
Average Percentage Growth Rate for  
1974 to 1985  
(continued)

Occupations	1974	1985	Annual Average Increase	Percentage Increase
Buyers, Wholesale, Retail	221	289	6	30.8
Purchasing Agents, Buyers n.e.c.	232	286	5	23.3
Sales Manager	903	1,136	21	25.8
Health Administrators	217	256	4	18.0
Office Managers	361	444	8	23.0
Demonstrators	36	48	1	33.3
Hucksters and Peddlers	217	245	3	12.9
Sales and Sales Workers n.e.c.	4,490	5,075	53	13.0
Secretaries, Legal	175	221	4	26.3
Secretaries, Medical	129	167	3	29.5
Secretaries, Other	2,780	3,573	72	28.5
Billing Clerks	181	233	5	28.2
Clerical Supervisors	370	423	5	14.3
Counter Clerks, exc. Food	385	443	5	15.1
Expeditors, Prod. Controllers	544	695	14	27.8
Insurance Adjust, Examiner	147	171	2	16.3
Library Attendants	244	280	3	14.8
Receptionists	352	410	5	16.5
Misc. Clerical Workers n.e.c.	1,700	2,652	87	56.0
Carpenters and Apprentices	1,253	1,470	20	17.3
Bulldozer Operators	90	131	4	45.6
Excavating, Grading, Machine Opr.	206	261	5	26.7
Plumbers, Pipefitters, and Appr.	452	555	9	22.8
Roofer and Slaters	232	285	5	22.8
Opticians, Lens Grinder, Polisher	18	27	1	50.0
Metal Platers	100	121	2	21.0
Welders and Flame Cutters	327	374	4	14.4
Winding Operatives, n.e.c.	742	884	13	19.1
Cleaning Service Workers	2,153	2,825	61	31.2
Lodging Quotes Cleaners	167	229	6	37.1
Bldg. Interior Cleaners n.e.c.	640	891	23	39.2
Janitors and Sextons	1,346	1,706	33	26.7
Bartenders	272	322	5	18.4
Cooks	992	1,333	31	37.0
Dishwashers	327	389	6	19.0
Food Counter Workers	485	658	16	35.7

Table 12  
Occupations Which are Declining in Numbers

Occupation	1974	1985	Decrease
Biological Scientists	18	15	3
Dietitians	30	29	1
Stenographers	58	27	31
Calculating Machine Oper.	39	28	11
Key punch Operators	699	505	194
Mail Carriers, Post Office	264	248	16
Telephone Operators	764	534	230
Machinists and Apprentices	807	764	43
Millwrights	117	94	23
Pattern and Model Makers	131	92	39
Composition and Typesetters	195	167	28
Power Station Operators	40	31	9
Telephone Line Instal., Splicer	100	62	38
Furniture and Wood Finishers	50	45	5
Shoe Repairers	131	73	58
Stationary Engineers	193	166	27
Tailors	96	84	12
Semiskilled Metal Working	1,427	1,351	76
Lathe, Milling Machine Opers.	162	147	15
Solderers	348	244	104
Knitters, Loopers, & Toppers	72	54	18
Graders & Sorters, Mfg.	90	76	14
Garage Workers, Gas Station Attendants	435	383	52
Mixing Operatives	112	102	10
Oilers, Greasers, Exc. Auto	32	22	10
Shoemaking Machine Operatives	966	588	378
Bus Drivers	242	236	6
Parking Attendants	21	15	6
Taxicab Drivers, Chauffeurs	170	144	26
Barbers	167	118	49
Elevator Operators	38	23	15
Firefighters	648	583	65
Private Household Workers	267	151	116

Source: Occupation-Industry Research Department

Table 13  
Occupations of Employed Persons  
In the Lawrence-Haverhill SMSA  
1980

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ALL OCCUPATIONS	132,346
PROFESSIONAL, TECHNICAL AND RELATED	20,360
Engineers, Technical	2,872
Physicians, Dentists and Related	951
Medical and Health Exc. Practs.	2,347
Teachers, Elementary and Secondary	3,552
Other Professional Workers	7,737
TECHNICIANS, EXCEPT HEALTH	2,901
MANAGERS EXCEPT FARM	12,666
SALES WORKERS	7,903
Retail Stores	4,766
Other Sales Workers	3,137
CLERICAL	23,204
Secretaries, Stenos and Typists	5,891
Other Clericals	17,313
CRAFTSMEN AND KINDRED WORKERS	16,723
Automobile and Body Repairmen	1,533
Mechanics and Repairmen Exc. Auto	2,399
Machinists	986
Metal Craftsmen Exc. Mach.	1,071
Carpenters	1,657
Construction Exc. Carpenters	3,246
Other Craftsmen	5,831
OPERATIVES, EXC. TRANSPORTATION	25,971
Durable Goods Manufacturing	11,931
Nondurable Goods Manufacturing	9,958
Nonmanufacturing Industries	4,082
TRANSPORT OPERATIVES	3,864
Truck Drivers	1,780
Other Transport, Operatives	2,084
LABORERS NONFARM	5,257
SERVICE WORKERS EXC. PRIV. HOUSEHOLD	15,654
Cleaning Service	2,978
Food Service	5,497
Health Service	3,316
Protective Service	2,102
Other Service Workers	1,761
PRIVATE HOUSEHOLD WORKERS	280
AGRICULTURAL WORKERS	464

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Source: Summary Manpower Indicators, Lawrence-Berkely Laboratory  
The Decennial Census of Population, 1970

Table 14  
Ratio<sup>1/</sup> of Applicants to Job Openings  
for Massachusetts and the Lawrence-Haverhill SMSA  
March 1981

	MASSACHUSETTS	LAWRENCE- HAVERHILL SMSA
<u>TOTAL</u>	6-1	5-1
PROFESSIONAL, TECHNICAL, AND MANAGERIAL	6-1	10-1
Architecture and Engineering	5-1	9-1
Professional, Technical, and Managerial	10-1	11-1
CLERICAL	7-1	4-1
SALES	5-1	2-1
SERVICES	5-1	5-1
Domestic Service	7-1	51-1
Food and Beverage Preparation and Service	7-1	8-1
Other	4-1	4-1
FISHING, FISHERY, FORESTRY	2-1	1-1
Farming	1-1	1-1
Forestry	135-1	6-1
Hunting and Agriculture Service	2-1	6-1
PROCESSING	12-1	4-1
MACHINE TRADES	10-1	9-1
BENCH WORK	9-1	6-1
STRUCTURAL WORK	12-1	4-1
MISCELLANEOUS WORK	7-1	5-1
Transportation	4-1	10-1
Packaging and Material Handling	10-1	4-1
Other	14-1	34-1

Source: ESARS

<sup>1/</sup> Rounded to the nearest whole number.

The table indicates the occupations in which a person would have a better chance of getting a job in the Lawrence-Haverhill SMSA than in the State as a whole. These occupations are; clerical, sales, processing, machine trades, benchwork, structural work, and packaging and material handlings. The occupations that have job openings that are more plentiful in the State than in the Lawrence-Haverhill SMSA are; professional, technical, managerial, domestic service, and food and beverage preparation and service.

VII. Recent Unemployment Trends and Projections

Table 15  
Unemployment Rates  
For  
1979 and 1980

	1979	1980	Percentage Change
United States	5.8	7.1	+22.4
Massachusetts	5.5	5.6	+ 1.8
Lawrence-Haverhill SMSA	6.5	6.0	- 7.7

The United States and Massachusetts unemployment rates increased over the year while Lawrence-Haverhill SMSA rate decreased.

Table 16  
Unemployment Claims

	March 1980	March 1981	Percentage Decrease
Initial Claims	498	372	25.3
Continued Weeks Claimed	3,225	2,912	9.7

Both initial claims and continued weeks claimed levels in March 1981 were below those of a year ago. These claims figures reflect the continuing improvement in the area's economy.

Table 17  
Annual Average Unemployment Rates  
for the United States, Massachusetts and all Major Labor Areas  
1975-1980

	1975	1976	1977	1978	1979	1980
United States	8.5	7.7	8.1	6.1	5.8	7.1
Massachusetts	11.2	9.5	7.0	6.0	5.5	5.6
Boston	10.5	9.1	7.8	5.8	5.3	5.0
Lowell	12.0	10.2	8.4	6.4	5.5	5.7
Lawrence-Haverhill	13.6	12.3	9.9	6.6	6.5	6.0
Brockton	11.7	10.3	9.2	6.5	6.2	6.8
Fall River	11.5	9.3	9.2	7.1	7.4	8.2
New Bedford	14.0	11.4	10.9	8.5	7.5	8.1
Springfield-Chicopee-Holyoke	11.3	9.0	7.1	5.3	4.8	5.5
Worcester	11.2	8.9	6.7	5.0	4.6	5.6

Since 1975 the average annual unemployment rate in the Lawrence-Haverhill SMSA has steadily declined. In no other major labor area in Massachusetts has the rate decreased as rapidly as the Lawrence-Haverhill SMSA's drop from 13.6 percent in 1975 to 6.0 percent in 1980. The Lowell LMA and the Springfield-Chicopee-Holyoke SMSA also had rapidly declining unemployment rates. In addition, between 1979 and 1980 the only major labor areas that had annual average unemployment rates that did not increase were Lawrence-Haverhill and Boston.

Table 18  
Labor Turnover in Manufacturing in the  
Lawrence-Haverhill SMSA  
January 1980 - January 1981

	Total	New Hire	Recalls	Total	Quit	Layoff
<u>January 1980</u>						
Manufacturing	2,376	1,663	594	1,861	634	277
Durable Goods	1,044	835	131	444	235	26
Nondurable Goods	1,323	837	459	1,417	405	230
<u>January 1981</u>						
Manufacturing	1,784	1,160	535	981	669	134
Durable Goods	325	236	INA	354	177	59
Nondurable Goods	1,434	906	529	634	468	91

Source: DES Occupation/Industry Research Department

The above chart shows that the rate of growth in durable goods is not as great as it was a year ago. The number of new hires decreased from 835 to 236. In the nondurable goods sector there was an 8 percent growth in the number of new hires over the year.

The quit rate decreased by 25 percent. This indicates that economic conditions were not as prosperous as the prior year because quit rates are higher during economic prosperity due to job availability.

Table 19  
Annual Average Unemployment Rates  
for Lawrence-Haverhill SMSA White Population  
Fiscal Year 1970 and Fiscal Year 1981\*

	1970 Unemployment (Actual)	Rate	1981 Unemployment	Rate
<u>White Male</u>	2,457	4.1	4,184	5.5
16 - 19	345	8.3	994	11.8
20 - 24	417	6.9	844	8.9
25 - 34	412	3.3	753	4.7
35 - 44	375	3.1	595	3.7
45 - 64	661	3.0	750	3.2
65+	274	8.6	248	8.6
 <u>White Female</u>	 1,746	 4.2	 4,107	 5.8
16 - 19	257	6.4	1,153	12.1
20 - 24	276	5.2	762	8.3
25 - 34	204	3.3	697	4.8
35 - 44	245	3.4	536	3.7
45 - 64	635	3.7	834	3.9
65+	129	6.4	125	5.5

\* Projected Unemployment Rate

# VIII. Labor Supply Demand Imbalances

Table 20  
Job Openings Received and Filled  
In The Lawrence-Haverhill Employment Offices  
October 1979 - April 1980 and October 1980 - April 1981

	Openings 1980	Received 1981	Openings 1980	Filled 1981
Occupations				
Total	4,973	3,697	3,296	2,378
Professional, Tech. Managerial	232	117	117	42
Clerical	1,419	995	1,005	674
Sales	296	168	236	119
Domestic	9	13	1	4
Other Services	771	597	491	376
Processing	198	93	117	55
Machine Trades	361	381	249	268
Benchwork	800	396	603	273
Structural	209	272	131	191
Motor Freight Transportation	135	84	65	50
Packaging and Materials				
Handling	352	426	225	310
Other	191	95	56	16

Source: ESARS

The Employment Service Automated Reporting System (ESARS) reported a 33.7 percent decrease over the year in the number of job openings. The largest reduction were in clerical, services, and benchwork. Despite the reduction of job openings received, the ratio of job openings filled to job openings received was approximately the same.

A comparison of active applicants with unfilled job openings by occupation is useful in analyzing the occupational demand and supply in the labor area. The following tables should be reviewed with an understanding of the limitations in the data sources. These openings only refer to jobs which are listed with the Division of Employment Security; therefore, a significant number of job openings are never received by the Division. Many employers advertise their openings in newspapers or recruit through schools and private employment agencies, especially in the highly professional and technical fields. Many positions are filled through internal promotions. Even though the data are subject to limitations, a considerable amount of information is available on the supply/demand of certain occupations.

There are many reasons for "shortages" in various occupations. The popular consensus is that there is a lack of qualified applicants for the specific skills needed by many employers. While it would be unwise to make any hard and fast rules, generally the reasons job orders placed with the Employment Service go unfilled are because of noncompetitive wages, unsuitable working conditions or hours, inconvenient locations, transportation problems, and/or the workers don't possess the required skills for the job.

Table 21

Occupation of Applicants  
In The Lawrence-Haverhill Employment  
Service Offices That Have a Higher than  
Average<sup>1</sup> Number of Job Openings to Applicants  
March 1981

Occupations	Number of Applicants	Unfilled Job Openings	Ratio Job Openings To Applicants <sup>2</sup>
Survey Worker	3	55	18/1
Salespersons, General Merchandise	29	86	3/1
Bank Teller	15	18	1/1
Security Guard	36	39	1/1
Maintenance-Repairer Helper	2	13	7/1
Counselor	10	7	1/1
Machinist	14	6	2/1
Keypunch Operator	19	9	2/1
Caseworker	10	5	2/1
Camp Counselor	2	3	1/1

Source: ESARS <sup>1/</sup> Average is one job opening for every 4.5 applicants  
<sup>2/</sup> Rounded to the nearest whole number

Table 22

Occupations of Applicants  
In the Lawrence and Haverhill Employment Service Offices  
That Have a Higher Than Average 1/  
Number of Applicants to Job Openings  
March 1981

Occupations	Number of Applicants	Unfilled Job Openings	Ration of Job Openings to Applicants <u>2/</u>
Electronic Technician	14	1	14/1
Dental Assistant	9	1	9/1
Licensed Practical Nurse	10	1	10/1
Elementary School Teacher	14	1	14/1
Accountant	11	0	11/0
Purchasing Agent	15	0	15/0
Sales Manager	18	0	18/0
Executive Secretary for the State			
Board of Nursing	27	3	9/1
Office Manager	13	0	13/0
Retail Store Manager	29	1	29/1
Secretary	51	3	17/1
Receptionist	29	2	15/1
Foreclosure Clerk	23	2	11/1
Nurse Aid	126	2	63/1
Supervisor Endless Track Vehicle	38	3	13/1
Maintenance Mechanic	18	1	18/1
Electronics Inspector	16	0	16/0
Sewing Machine Operator	35	3	10/1
Painter	38	4	10/1
Operating Engineer	13	0	13/0
Tractor-Trailer-Truck Driver	50	0	50/0
Truck Driver, Heavy	56	4	14/1
Truck Driver, Light	29	3	10/1
Automobile-Service Station			
Attendant	17	0	17/0
Hand Packager	156	21	7/1

Source: ESARS

1/ Average is 4.5 applicants to every job opening

2/ Rounded to the nearest whole number

Table 23  
 Characteristics of Applicants Registered  
 At Job Matching Service Centers  
 March 1981

Local Office	Total Active Appli- cants	Female	Econom. Disadv.	Veteran	Age Breakdown			Handi- capped
					Nonwhite Minority	Under 22	Over 45	
Haverhill	3,256	1,295	1,100	509	58	1,100	432	241
Lawrence	8,471	3,186	1,802	1,005	189	2,683	1,131	408

Source: Massachusetts Division of Employment Security ESARS, Table

The Haverhill Office had a greater percentage of economically disadvantaged and handicapped applicants than the Lawrence Office. The Lawrence Office had a larger percentage of nonwhite minorities.

Table 24  
 Characteristics of The Insured Unemployed  
 By Place of Residence and by Race in Lawrence CETA  
 March 1981

Towns	White	Nonwhite	Spanish Surname	Other	Not Coded	Total Claims
Total						
Lawrence *	793	11	165	6	2	977
Haverhill **	502	1	12	2	2	519
Amesbury	168	0	1	2	1	172
Andover *	151	2	0	2	0	155
Boxford **	32	0	0	0	0	32
Georgetown **	48	0	0	1	0	49
Groveland **	46	0	0	0	0	46
Newbury	57	0	0	0	0	57
Newburyport	206	0	0	3	0	209
North Andover *	147	0	0	1	0	148
Methuen *	407	1	5	3	0	416
Merrimac **	51	0	0	0	1	52
Rowley	53	0	0	0	1	54
Salisbury	103	0	0	1	0	104
West Newbury	21	0	0	0	0	21

Source: LAUS Research Project Report

\* Serviced by Lawrence Job Service Office

\*\* Serviced by Haverhill Job Service Office

Table 25  
 Characteristics of Applicants Registered  
 At Job Matching Service Centers in Lawrence and Haverhill  
 March 1981

Occupational Code, Category and Occupational Title	Total Applicants	Total Active Applicants	Unfilled Job Openings	Ratio Of Active Applicants To Unfilled Job Openings
TOTAL	13,862	6,222	1,373	5
0-1 <u>Professional, Technical and Managerial</u>	1,428	659	69	10
Admin. Specializations	195	97	3	32
Secondary School Teachers	40	10	1	10
Primary School Teachers	55	14	1	14
Admin. Assistant	60	27	3	9
Store Manager	57	29	1	29
2 <u>Clerical</u>	2,317	943	258	
Secretarial Work	143	62	6	10
Typing	194	89	44	2
Filing	25	9	2	5
Computing & Account Rec.	484	212	42	5
Sales	567	179	89	2
3 <u>Services</u>	2,086	1,020	204	5
Domestic Service	158	102	2	51
Janitor	154	61	20	3
5 <u>Processing</u>	377	172	43	4
6 <u>Machine Trades</u>	1,202	588	65	9
Automobile Mechanic	88	38	3	13
Maintenance Mechanic	52	18	1	18
Stitcher	62	35	4	9
7 <u>Benchwork</u>	1,594	781	130	6
Electronic's Assembler	354	147	49	3
Sewing-Machine Operator	58	35	3	12
Cementer (Boot and Shoe)	62	31	8	4
8 <u>Structural Work</u>	1,273	594	149	4
Carpenter	102	46	9	5
Construction Worker	162	73	12	6
Maintenance Repairer	89	33	32	1
9 <u>Miscellaneous Occupation</u>	1,724	764	153	5
Tractor-Trailer Truck Driv.	93	50	1	50
Truck Driver Heavy	130	56	4	14
Hand Packager	337	156	22	7
Material Handler	277	100	34	3

The table on the previous page lists some of the most familiar occupations listed with the DES. Those occupations in demand were; typing, sales, electronic assembler and maintenance repairer. The occupations that had a surplus of applicants were administrative specialization, store managers, domestic service, maintenance mechanic, and tractor-trailor truck driver.

## IX. Individuals in Need of Employment Services

### a. Characteristics of the Economically Disadvantaged

The term economically disadvantaged individual means an individual who is a member of a family that:

1. Receives cash welfare payments, or
2. Has a total family income which, in relation to family size, does not exceed the poverty level determined in accordance with criteria established by the Office of Management and Budget.

Table 26

Poverty-Level Guidelines for 1981 in the Continental U.S.

<u>Family Size</u>	<u>Nonfarm</u>	<u>Farm</u>
1	4,310	3,680
2	5,690	4,850
3	7,070	6,020
4	8,450	7,190
5	9,830	8,360
6	11,210	9,530

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Table 27  
 Characteristics of Job Applicants  
 in the Lawrence-Haverhill Offices  
 October 1978 - March 1979  
 October 1979 - March 1980  
 October 1980 - March 1981

	1978 to 1979	Percentage	1979 to 1980	Percentage	1980 to 1981	Percentage
TOTAL	10,239	100.0	11,025	100.0	13,921	100.0
Males	5,165	50.4	5,646	51.2	7,602	54.6
Under 20	1,521	14.9	1,813	16.4	2,545	18.3
20 - 24	2,355	23.0	2,563	23.3	3,120	22.4
25 - 29	1,731	16.9	1,825	16.6	2,271	16.3
30 - 44	3,159	30.8	3,210	29.1	4,128	29.7
45 - 64	1,394	13.6	1,466	13.3	1,740	12.5
65 and over	79	0.8	148	1.3	117	0.8
Hispanic	1,288	12.6	1,468	13.3	2,379	17.1
Highest School Grade						
0 - 7	582	5.7	651	6.0	926	6.6
8 - 11	3,755	36.7	4,017	36.4	5,208	37.4
12	4,047	39.5	4,225	38.3	5,158	37.1
Over 12	1,855	18.1	2,132	19.3	2,629	18.9
Veterans	1,612	15.7	1,505	13.7	1,597	11.5
Vietnam Veterans	669	6.5	601	5.5	642	4.6
WIN	2,460	24.0	2,384	21.6	2,509	18.0
Handicapped	1,049	10.2	990	9.0	986	7.1
Economically Disadvantaged	3,555	34.7	3,535	32.1	4,341	31.2

Source: ESARS

In the past years the number of applicants in the Lawrence-Haverhill Employment Offices grew by 36 percent. This growth was the result of an increase in the number of applicants who were either teenagers or Hispanics. Teenagers and hispanic applicants had respective growth rates of 47.2 and 84.7 percent. The number of applicants that were Vietnam Veterans decreased by 4 percent and those that were handicapped declined by 6 percent.

## X. Training Programs

### WIN:

The Work Incentive Program was to aid families receiving AFDC payments to obtain gainful employment or training. Despite cutbacks of Federal funds to many social programs the WIN program does not expect a reduction in their funding. In the Lawrence-Haverhill SMSA there are two WIN teams in operation - one in the Lawrence Office area, and one in the Haverhill Office area.

Table 28  
Selected Characteristics of Applicants in WIN  
from  
October 1980 to April 1981

	Lawrence Applicants	Percentage	Haverhill Applicants	Percentage
TOTAL	1,440	100.0	1,164	100.0
Male	310	21.5	280	21.1
Female	1,130	78.5	884	79.9
Under 20	89	6.2	72	6.2
20 - 29 years old	289	20.1	276	23.7
30 - 39 years old	693	48.1	522	44.8
40 - 44 years old	181	12.6	145	12.5
45 years or older	188	13.0	149	12.8
12 or more years of schooling	593	41.2	597	51.3
Hispanics	440	30.6	46	4.0

Source: ESARS

The higher percentage of Hispanics in the Lawrence WIN office was the result of a heavier concentration of Hispanics in the city of Lawrence. The Haverhill WIN office had a higher percentage of applicants that have 12 or more years of schooling. Over the year there has been a 14.8 percent growth in the number of Lawrence WIN applicants while the Haverhill WIN office had a 6.2 decrease.

Table 29

Estimates of Workers Employed  
Part-Time for Economic Reasons

Race	Total	Sex	
		Male	Female
Total	6,334	2,643	3,691
White	6,250	2,605	3,645
Nonwhite	84	38	46

Table 30

Economically Disadvantaged  
18 Years and Over

Total	22,808
White	19,604
Black	254
Other	2,950
Hispanic	2,183

## CETA

The Comprehensive Employment and Training Act of 1973 provides job training and employment opportunities for the economically disadvantaged, unemployed and underemployed persons and assumes that training and other services lead to maximum employment opportunities which will enhance self-sufficiency. This year the Lawrence CETA will receive about \$8 million or an amount substantially less than the \$15 million it was awarded the previous year. In 1982 Lawrence CETA will be reduced further to the \$3.8 million level. As a result of reduced fundings under Title IID, the emergency public service employment functions of the act and other services such as training, counseling, job-development etc., will be terminated. Title IIB, the portion of the act devoted to classroom trainings, work experience, on-the-job-training, counseling and supportive services to participants, will continue with less funding. At present it is unknown whether Title IV which deals with youth programs will be funded for another year.

Table 31  
 Characteristics of Enrollers  
 In the Lawrence CETA Program  
 October 1980 to March 1981

	Title II-B	Percentage	Title II-D	Percentage	Title IV	Percentage
Total	778	100.0	508	100.0	190	100.0
Male	413	53.1	263	51.8	104	54.7
Female	365	46.9	245	48.2	86	45.3
19 and under	120	15.4	71	14.0	174	91.6
20 - 44 years old	596	76.6	381	75.0	16	8.4
45 years and over	62	8.0	56	11.0	0	0
0 - 8 years of school	103	13.2	83	16.3	50	26.3
9 - 11 years of school	246	31.6	155	30.5	123	64.8
High school graduates	319	41.1	203	40.0	16	8.4
Post high school	110	14.1	67	13.2	1	0.5
Hispanic	169	21.7	123	24.2	69	36.3
AFDC	228	29.3	156	30.7	68	35.8

Source: CETA Program Status Summary

THE FOLLOWING ESARS TABLES HAVE BEEN ENCLOSED TO FOCUS ON THE CHARACTERISTICS OF APPLICANTS REGISTERED IN EMPLOYMENT SERVICE OFFICES FROM OCTOBER 1980 THROUGH SEPTEMBER 1981. TABLE 96, WHICH LISTS THE OCCUPATIONAL ATTACHMENT OF APPLICANTS, GIVES ONLY THE RESPECTIVE DOT CODES. ENCLOSED AFTER THE TABLE IS THE DOT CODES WITH THEIR COMPATIBLE OCCUPATIONAL TITLES.

FOR FURTHER ASSISTANCE CONTACT THE RESEARCH LIBRARY, DIVISION OF EMPLOYMENT SECURITY, CHARLES F. HURLEY BUILDING, BOSTON, MASSACHUSETTS 02114.

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL	REGIS- TERED	APPS	ACTIVE ANYTIME THIS FY.	TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	K	L	M	N	OPENING, OPENING, UNFILLED OPEN	REC'D	FEDERAL	TOTAL	30 DAYS OR MORE
									UNDER .45 AND 22 OLDER												
A	B																				
96	001261-010	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003061-010	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003161-014	36	10	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003281-010	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	003281-014	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	005061-014	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	005281-010	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	005281-014	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	007061-010	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	007061-014	10	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	007161-026	11	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	008061-018	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	011261-010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	012167-042	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	012167-066	8	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	012267-010	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	018167-010	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	020162-014	12	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	020167-022	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	022061-010	17	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	022261-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	029261-010	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	041061-030	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	045107-010	61	21	10	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	054067-014	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	072101-010	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	074161-010	7	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	075374-010	21	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	076121-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	076121-014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	078361-010	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	078361-014	6	3	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	078381-014	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	079361-010	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	079367-010	17	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	079371-010	22	11	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	079374-014	26	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	079374-022	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	090227-010	14	9	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	091227-010	151	84	55	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	092227-010	185	95	86	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	100127-014	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

## APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL	REGIS- TERED	C	D	E	F	G	H	I	J	K	L	M	N	NONAGRICULTURAL OPENINGS
96	209387-010	2	2	2	2	2	0	0	0	0	0	1	2	0	0	0
96	209387-030	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
96	209562-010	675	188	183	183	2	2	42	25	22	71	415	88	312	19	0
96	209587-026	23	9	8	8	0	0	2	0	0	5	12	11	6	0	0
96	209607-010	21	9	7	7	0	0	2	2	0	2	4	4	1	0	0
96	209687-014	3	2	2	2	0	0	0	1	1	0	0	0	0	0	0
96	210382-014	36	2	2	2	0	0	0	0	0	1	70	1	67	0	0
96	210382-018	98	36	35	35	0	0	2	14	0	5	32	1	10	1	0
96	210382-022	36	8	8	8	0	0	0	1	0	3	16	3	6	0	0
96	211362-010	65	2	2	2	0	0	0	0	0	2	1	0	0	0	0
96	211362-018	67	13	13	13	0	0	5	0	3	6	90	62	64	19	17
96	211462-010	59	16	15	15	0	0	2	0	2	12	25	6	12	1	1
96	213362-010	34	9	5	5	1	1	2	0	0	4	9	1	9	0	0
96	214362-022	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0
96	214362-014	7	1	1	1	0	0	0	0	0	1	9	2	4	1	0
96	215482-010	16	6	6	6	1	1	0	2	0	2	9	2	2	0	0
96	216382-034	2	1	1	1	0	0	0	0	0	1	0	0	0	0	0
96	216482-010	67	20	18	18	1	1	1	6	1	3	26	10	10	2	2
96	216482-022	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	217382-010	4	0	0	0	0	0	0	0	0	0	4	4	2	0	0
96	219362-010	178	74	71	71	1	1	8	9	6	44	17	8	10	1	1
96	219367-026	2	2	1	1	0	0	0	0	0	1	0	0	0	0	0
96	221367-042	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	222367-058	83	23	7	7	4	4	6	3	4	6	28	10	20	1	0
96	235462-010	9	2	1	1	0	0	0	0	0	1	1	0	1	0	0
96	235662-022	27	7	6	6	0	0	1	0	1	4	8	6	0	0	0
96	235662-026	3	2	2	2	0	0	0	1	0	2	10	0	8	0	0
96	237367-010	2	1	1	1	0	0	0	0	0	1	0	0	0	0	0
96	237367-038	82	28	28	28	0	0	5	3	5	13	30	10	16	2	2
96	238362-010	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	238367-026	3	1	1	1	0	0	0	1	0	1	0	0	0	0	0
96	241217-010	6	2	0	0	0	0	0	0	0	0	0	0	2	0	0
96	241357-010	2	3	3	3	0	0	0	0	0	0	0	0	0	0	0
96	245362-014	7	3	3	3	0	0	0	0	0	0	3	1	0	0	0
96	249167-014	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	249367-074	104	51	48	48	1	1	2	13	15	22	35	0	32	2	2
96	250257-010	16	5	0	0	0	0	0	0	1	2	0	1	1	0	0
96	250357-018	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	254357-014	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	261357-050	5	1	0	0	1	1	0	1	0	0	0	0	0	0	0
96	261357-054	2	1	1	1	0	0	0	1	0	0	1	0	1	0	0

ITEM NO.	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS	TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY RE- CEIVED	DISAD- VANT- AGED	J	K	L	M	N	O	OPENING, OPENING, UNFILLED OPEN REC'D, FILLED	FEDERAL, CON- TRACTOR, JOB LISTING				
96	261357-062	8	1	0	0	1	0	0	1	0	0	1	1	0	0	1					
96	261357-066	29	8	8	0	1	1	5	0	5	1	1	0	0	0	0					
96	273353-010	23	6	1	1	0	2	1	0	1	1	1	0	1	0	0					
96	273357-022	6	0	0	0	0	0	0	0	0	0	1	0	0	0	1					
96	277357-034	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0					
96	279357-050	8	0	0	0	0	0	0	0	0	0	11	0	0	0	0					
96	279357-054	216	28	241	0	7	3	16	0	16	168	7	134	6	2	61					
96	279357-062	13	1	0	0	0	0	0	0	0	13	1	8	2	1	2					
96	290477-014	99	23	20	1	7	3	10	0	10	44	1	33	1	0	1					
96	290477-018	30	10	3	2	4	1	1	2	1	9	1	6	1	0	1					
96	292353-010	25	6	0	2	2	0	1	1	1	9	0	3	1	0	0					
96	292483-010	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0					
96	299137-010	25	4	3	0	0	0	3	0	3	13	0	3	0	0	0					
96	299357-014	6	1	1	0	0	0	1	0	1	13	1	10	1	0	1					
96	301474-010	15	10	10	0	0	0	9	2	9	11	0	2	1	0	0					
96	309677-010	1	1	1	0	0	1	0	0	0	1	0	0	0	0	0					
96	311477-014	134	42	40	1	14	5	29	1	29	115	2	65	0	0	34					
96	311677-010	20	9	9	0	2	2	4	0	4	0	0	0	0	0	0					
96	312474-010	57	22	15	3	1	7	13	1	13	8	0	3	1	0	0					
96	313131-014	15	2	0	1	1	0	1	0	1	2	0	0	0	0	0					
96	313361-014	64	19	11	2	6	2	8	1	8	40	2	17	0	0	1					
96	313361-022	59	16	5	5	4	4	9	0	9	18	2	9	2	0	2					
96	313361-026	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0					
96	313361-030	6	2	0	0	1	0	0	1	0	2	1	1	0	0	0					
96	313381-010	5	1	0	0	1	0	6	1	6	12	1	5	0	0	0					
96	315361-010	48	13	7	0	4	3	1	1	1	0	0	0	0	0	0					
96	316684-018	6	3	0	1	0	0	1	1	1	1	1	0	0	0	0					
96	317684-014	5	2	1	0	0	0	1	1	1	2	2	1	0	0	0					
96	317687-010	13	6	2	2	2	1	4	2	4	148	5	107	8	0	1					
96	318687-010	222	51	19	3	25	6	22	8	22	148	0	0	0	0	0					
96	319137-010	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0					
96	319474-010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
96	323687-010	13	7	5	0	1	0	5	2	5	2	0	2	0	0	0					
96	323687-014	49	16	141	0	4	2	13	4	13	2	1	3	0	0	0					
96	330371-010	3	1	1	0	0	0	8	0	8	0	0	0	0	0	0					
96	332271-010	23	12	10	1	0	1	1	2	1	1	0	0	0	0	0					
96	352367-010	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0					
96	354374-010	12	5	5	0	0	1	4	0	4	1	0	0	0	0	0					
96	355377-014	5	3	1	0	1	0	0	1	0	1	0	0	0	0	0					
96	355674-014	294	129	127	1	18	17	105	9	105	79	3	63	2	1	0					
96	355674-018	11	1	0	0	0	0	0	0	0	3	0	2	0	0	0					
96	355677-010	50	14	141	0	3	2	11	0	11	12	0	11	0	0	0					

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS										
		TOTAL REGIS- TERED APPS	TOTAL	FEMALE	VETERAN	AGE GROUPS UNDER 22 .45 AND OLDER	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RE- CEIVED	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	L	M	N	TOTAL	30 DAYS OR MORE							
96	110107-010	8	2	2	0	0	0	0	0	2	2	0	0	0	0	0						
96	131267-026	9	3	1	1	0	1	1	0	0	0	0	0	0	0	0						
96	142061-018	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
96	159124-010	41	0	0	0	0	0	0	0	23	0	18	0	0	0	0						
96	160162-014	8	2	1	0	0	0	0	0	1	0	0	0	0	0	0						
96	160167-010	61	23	7	2	0	3	3	1	4	1	1	0	0	0	0						
96	160267-018	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
96	162157-038	32	10	3	3	0	3	0	0	3	2	1	0	0	0	0						
96	163167-014	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0						
96	163167-018	43	14	5	2	0	6	0	1	2	0	0	1	0	0	0						
96	165067-010	18	2	1	0	0	1	0	0	0	0	0	0	0	0	0						
96	166267-018	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0						
96	169167-010	85	22	18	2	0	2	2	0	8	6	0	0	0	0	0						
96	169167-034	53	13	9	1	0	1	0	1	4	0	2	0	0	0	0						
96	169167-058	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
96	182267-010	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0						
96	185167-014	5	0	0	0	0	0	0	0	8	0	0	0	0	0	0						
96	185167-046	86	23	8	5	4	5	0	3	14	2	6	2	0	0	0						
96	187167-030	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
96	187167-058	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0						
96	187167-106	44	8	3	1	0	2	0	1	1	0	0	0	0	0	0						
96	187167-186	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0						
96	188137-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
96	189117-022	12	5	0	3	0	3	0	0	2	0	0	0	0	0	0						
96	189167-034	10	2	0	1	0	1	1	1	2	2	2	0	0	0	0						
96	193162-018	7	5	0	3	0	0	0	0	0	0	0	0	0	0	0						
96	195107-010	19	7	4	2	0	1	0	1	1	0	0	0	0	0	0						
96	195107-022	5	3	2	1	0	0	0	0	0	0	0	0	0	0	0						
96	199361-010	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0						
96	201362-010	21	9	9	0	1	2	0	3	11	0	1	1	0	0	0						
96	201362-014	15	4	4	0	0	1	0	3	3	15	2	0	0	0	0						
96	201362-030	222	95	95	0	12	13	6	25	41	16	16	0	0	0	0						
96	202362-014	3	3	3	0	0	1	0	2	5	3	0	0	0	0	0						
96	203362-010	184	56	55	0	9	4	5	28	42	18	21	0	0	0	0						
96	203582-030	67	29	28	1	0	4	2	18	16	6	15	1	1	1	2						
96	203582-066	32	18	17	0	5	1	4	3	18	5	4	0	0	0	0						
96	205362-014	3	2	2	0	0	0	2	1	1	1	1	0	0	0	0						
96	205362-018	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0						
96	205367-054	32	3	2	0	2	0	1	1	16	0	1	0	0	0	0						
96	206362-010	37	14	12	0	6	2	3	7	11	7	10	1	1	1	1						
96	206367-014	8	3	2	0	0	0	0	1	2	0	2	0	0	0	0						
96	208462-010	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0						

MONTHLY YEAR TO DATE  
FOR PERIOD ENDING 09/30/81

PAGE 003

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	C	D	E	F	G	H	I	J	K	L	M	N	O
				TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RE- CEIVED	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING
96	359677-010	80	5	7	5	0	0	1	2	4	41	0	35	0	0
96	359677-018	24	7	7	7	1	0	2	2	7	3	0	2	2	2
96	359677-026	2	1	1	1	0	1	1	1	1	0	0	0	0	0
96	361665-010	3	1	1	0	0	0	1	1	0	1	0	0	0	0
96	361685-018	4	2	2	2	0	0	1	0	1	4	0	2	0	0
96	361687-014	3	2	2	1	0	1	0	1	1	1	1	1	0	0
96	361687-018	15	7	6	6	0	1	2	2	3	47	4	32	7	4
96	363682-018	11	6	3	3	0	0	2	5	3	2	0	1	0	0
96	363684-018	9	4	4	3	0	0	2	2	4	2	0	2	0	0
96	363685-026	2	2	2	2	0	0	2	0	0	0	0	0	0	0
96	372667-018	3	0	0	0	0	0	0	0	0	0	0	0	0	0
96	372667-034	113	24	3	4	11	6	0	0	9	89	62	32	5	3
96	372667-038	38	13	4	4	3	3	3	4	3	70	45	33	9	4
96	373364-010	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	375263-014	5	3	1	1	2	0	0	1	1	0	0	0	0	0
96	382664-010	245	35	1	1	4	16	5	4	17	87	10	83	20	20
96	403687-018	1	1	1	1	0	1	0	0	1	0	0	0	0	0
96	404687-010	1	1	1	1	0	1	0	1	0	0	0	0	0	0
96	509686-010	4	0	0	0	0	0	0	0	0	0	0	0	0	0
96	519687-022	9	5	0	0	1	0	0	0	0	2	0	2	0	0
96	526381-010	9	3	0	0	0	0	1	4	1	2	0	2	0	0
96	526684-010	4	0	0	0	0	0	0	0	0	1	0	0	0	0
96	526686-010	6	0	0	0	0	1	0	1	1	8	0	4	0	0
96	529685-266	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	529687-130	1	1	0	0	0	0	0	1	1	0	0	0	0	0
96	556685-038	5	1	0	0	0	0	0	0	0	2	1	2	0	0
96	556685-066	3	1	0	0	0	0	0	0	0	0	0	0	0	0
96	557382-010	16	4	1	1	0	0	0	0	0	1	0	1	0	0
96	558585-014	3	0	0	0	0	0	0	0	2	0	0	0	0	0
96	559382-046	4	2	2	2	0	0	0	0	0	0	1	0	0	0
96	559567-010	5	3	3	1	1	0	0	0	0	7	0	7	0	0
96	575382-014	1	1	1	1	0	0	0	1	1	0	0	0	0	0
96	579687-030	1	1	1	1	0	0	0	0	1	0	0	0	0	0
96	589685-010	1	4	0	0	0	0	0	0	0	0	0	0	0	0
96	589686-026	13	4	3	3	0	1	1	2	0	2	0	1	0	0
96	600280-022	46	16	1	1	5	2	1	0	1	33	5	21	3	2
96	600380-018	16	7	1	1	0	1	0	1	2	2	0	2	0	0
96	601280-046	3	1	0	0	0	0	1	0	0	0	0	0	0	0
96	603280-018	0	0	0	0	0	0	0	0	0	1	0	0	0	0
96	604380-022	1	1	0	0	1	0	0	0	0	0	0	0	0	0
96	604380-026	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	604685-026	7	0	0	0	0	0	0	0	0	1	0	0	1	0

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS- TERED APPS	TOTAL FEMALE ACTIVE ANYTIME THIS FY	AGE GROUPS UNDER 22 45 AND OLDER	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RE- CEIVED	OPENING, OPENING, REC'D, FEDERAL, CON- TRACTOR, JOB LISTING	M	N	TOTAL 30 DAYS OR MORE
96	605280-010	1	0	0	0	0	0	1	1	0	0
96	609684-014	5	0	0	0	0	0	2	1	0	0
96	609685-018	9	6	1	0	1	2	6	5	0	0
96	615482-022	6	1	0	0	0	1	1	1	0	0
96	615662-010	1	1	1	0	0	1	0	0	0	0
96	617685-026	2	1	0	0	0	0	0	0	0	0
96	619360-014	0	0	0	0	0	0	0	0	0	0
96	620261-010	130	38	12	9	5	7	42	31	2	2
96	620261-022	4	0	0	0	0	0	0	0	0	0
96	620281-046	1	0	0	0	0	0	0	0	0	0
96	620381-022	1	0	0	0	0	0	1	1	0	0
96	621261-018	1	0	0	0	0	0	0	0	0	0
96	621281-014	14	5	5	0	0	0	0	0	0	0
96	621381-014	1	0	0	0	0	0	0	0	0	0
96	625281-010	10	2	1	1	0	0	3	1	0	0
96	625281-034	4	1	1	0	0	0	0	0	0	0
96	626281-010	6	1	0	0	0	0	0	0	0	0
96	633281-010	1	1	0	0	0	0	0	0	0	0
96	633281-018	2	1	1	0	0	0	1	1	0	0
96	637261-014	6	2	1	1	0	0	0	0	0	0
96	637261-018	3	1	0	0	0	0	0	0	0	0
96	637261-026	5	0	0	0	0	0	0	0	0	0
96	637664-010	2	0	0	0	0	0	1	1	0	0
96	638261-010	2	0	0	0	0	0	0	0	0	0
96	638261-022	2	0	0	0	0	0	0	0	0	0
96	638281-014	91	29	11	4	2	1	28	21	1	0
96	638281-018	9	3	2	0	0	0	0	0	0	0
96	638684-018	7	0	0	0	0	0	9	6	0	0
96	639281-014	2	0	0	0	0	0	2	2	0	0
96	639281-018	2	1	1	0	0	0	0	0	0	0
96	640685-058	2	0	0	0	0	0	1	1	0	0
96	649687-010	3	3	0	1	1	2	0	0	0	0
96	651362-030	0	0	0	0	0	0	1	0	0	0
96	651682-010	3	0	0	0	0	0	0	0	0	0
96	660280-010	8	4	0	2	1	0	1	0	0	0
96	680685-018	0	0	0	0	0	0	4	2	0	0
96	681685-014	1	1	0	0	0	0	0	0	0	0
96	691685-154	6	3	0	0	1	2	8	6	0	0
96	682685-010	1	0	0	0	0	0	0	0	0	0
96	683682-038	1	0	0	0	0	0	0	0	0	0
96	684684-010	3	2	0	1	1	2	0	0	0	0
96	684685-010	1	0	0	0	0	0	0	0	0	0

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS	TOTAL FEMALE APPS	VETERAN APPS	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RE- CEIVED	OPENING, REC'D FEDERAL, CON- TRACTOR, JOB LISTING	L	M	N	OPENING, REC'D FEDERAL, CON- TRACTOR, JOB LISTING	M	N	OPENING, REC'D FEDERAL, CON- TRACTOR, JOB LISTING	M	N	OPENING, REC'D FEDERAL, CON- TRACTOR, JOB LISTING	M	N
96	685665-014	4	3	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	689280-014	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	690682-082	90	31	30	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0
96	699682-022	16	8	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
96	700687-058	6	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	705687-014	2	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	709684-014	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	710281-026	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	710381-038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	710681-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	712381-018	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	712687-010	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	715281-010	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	716382-018	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	720281-010	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	721684-022	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	723684-014	16	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	724684-026	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	725384-010	14	5	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	726130-010	17	7	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	726261-010	37	8	5	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1
96	726381-010	9	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	726384-010	10	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	726684-018	526	165	134	1	0	0	34	0	0	0	0	0	0	0	0	0	0	0	0	0
96	726684-022	46	17	14	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
96	726687-014	7	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	729384-010	27	8	6	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	729687-010	24	5	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
96	731687-034	8	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	739381-018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	739687-030	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	741684-026	23	6	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
96	741687-018	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	753687-026	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	754684-030	18	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	754687-010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	759584-010	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	763684-014	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	780381-018	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	780681-010	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS																
		TOTAL	REGIS- TERED	APPS	ACTIVE	ANYTIME	THIS FY	TOTAL	FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	J	I	H	G	F	E	D	C	TOTAL	RE- CEIVED	OPENING REC'D	OPENING FILLED	UNFILLED	TOTAL	30 DAYS OR MORE
96	780682-018	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	781687-010	5	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	782684-042	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	782684-058	18	18	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	783682-014	10	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	785261-010	6	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	787682-046	77	77	37	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	788684-054	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	788687-030	80	80	27	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	789687-066	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	789687-070	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	795687-014	8	8	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	804281-010	22	22	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	806381-010	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	806381-026	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	806381-046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	806381-058	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	806684-010	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	807381-010	38	38	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	809281-010	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	809684-010	6	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	809687-022	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	811684-014	7	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	813684-022	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	819384-010	28	28	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	819684-010	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	819686-010	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	821361-026	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	822281-018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	823261-018	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	824261-010	35	35	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	825281-018	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	826361-010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	827684-010	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	828281-010	22	22	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	828381-014	13	13	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	829281-014	5	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	840381-010	91	91	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	842361-018	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	842664-010	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	844364-010	7	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	850683-010	9	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY YEAR TO DATE  
FOR PERIOD ENDING 09/30/81

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS	TOTAL FEMALE	VETERAN	AGE GROUPS	MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RE- CEIVED	OPENING REC'D FEDERAL	OPENING CON- TRACTOR	OPENING JOB LISTING	TOTAL FILLED	OPENING UNFILLED	TOTAL 30 DAYS OR MORE							
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O							
96	859683-010	32	5		1		0	0	0	0	2	0	1	0							
96	860281-010	7	2		1		0	0	0	0	0	0	0	0							
96	860381-022	150	33		8	2	2	3	2	9	31	19	2	2							
96	861381-018	21	8		2		2	2	1	3	0	0	0	0							
96	862261-010	2	0		0		0	0	0	0	0	0	0	0							
96	862281-018	4	1		0		0	0	0	0	0	0	0	0							
96	862381-018	11	5		2	1	1	1	0	3	3	1	1	0							
96	862381-030	13	4		0		0	0	1	0	5	0	0	0							
96	862381-034	16	2		0		1	0	0	0	1	0	0	0							
96	862684-014	9	2		0		1	0	0	0	1	0	1	1							
96	863381-014	0	0		0		0	0	0	0	0	0	0	0							
96	864381-010	3	1		0		1	0	0	0	1	0	0	0							
96	864481-010	3	0		0		0	0	0	0	0	0	0	0							
96	865381-010	4	1		0		0	0	0	0	0	0	0	0							
96	866381-010	37	6		1	2	0	0	0	1	17	0	13	3							
96	869664-014	232	51		8	18	4	4	14	14	66	3	52	14							
96	869684-010	2	1		1	0	0	0	0	1	0	0	0	0							
96	899281-014	14	5		2	2	2	2	1	2	6	6	6	0							
96	899381-010	106	30		10	6	4	4	10	5	479	4	396	19							
96	899684-022	15	3		1	2	1	1	0	2	1	0	0	0							
96	903683-018	4	3		2		2	2	0	0	0	0	0	0							
96	904383-010	123	20		12	1	2	2	3	6	5	1	5	0							
96	905663-014	193	58		19	3	6	5	18	55	8	8	39	7							
96	906683-022	92	30		9	5	2	2	10	43	1	1	28	6							
96	913463-010	52	19	17	0	0	0	1	0	10	9	4	4	0							
96	913463-018	19	3		1	0	0	0	2	2	0	0	2	0							
96	915467-010	48	14		2	5	1	1	7	15	0	0	5	0							
96	915473-010	2	0		0	0	0	0	0	0	0	0	0	0							
96	915667-010	1	1		0	1	1	0	1	1	0	0	0	0							
96	915687-018	2	0		0	0	0	0	0	2	2	2	0	0							
96	919683-014				0		0														
96	919687-014	19	5		0	4	0	0	1	3	0	0	1	0							
96	920587-018	429	150	116	1	26	16	69	84	143	45	89	21	14							
96	920685-078	39	14	8	0	6	0	6	7	17	8	13	1	1							
96	920687-014	24	4	1	0	3	1	1	0	11	1	2	0	0							
96	920687-126	5	3	3	0	0	0	0	3	4	1	3	0	0							
96	920687-134	2	0	0	0	0	0	0	1	1	1	1	0	0							
96	921663-010	3	1		1	0	0	0	0	1	1	1	0	0							
96	929686-010	1	0		0	0	0	0	0	0	0	5	0	0							
96	929687-022	13	2		0	1	0	0	0	13	0	1	0	0							
96	929687-030	2041	438	1241	23	232	40	188	232	285	175	255	19	17							
96	950382-026	1	0		0	0	0	0	0	4	2	1	0	0							

## APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL REGISTERS	ACTIVE FILE										NONAGRICULTURAL OPENINGS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
			TOTAL	FEMALE	VETERAN.	AGE GROUPS	MINORITY	ECONOMICALLY DISADVANTAGED	TOTAL RECEIVED	REC'D FEDERAL CON-TRACTOR JOB LISTING	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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TABLE 96  
APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION  
MASSACHUSETTS  
09/30/81

09/30/81

MASSACHUSETTS

SMSA 4160

ITEM NO	OCCUPATIONAL CODE	ACTIVE FILE										NONAGRICULTURAL OPENINGS									
		TOTAL REGIS- TERED APPS ACTIVE ANYTIME THIS FY	TOTAL FEMALE ANYTIME THIS FY	TOTAL VETERAN	AGE GROUPS		MINOR- ITY	ECONOM- ICALLY DISAD- VANT- AGED	TOTAL RE- CEIVED CON- TRACTOR JOB LISTING	OPENING REC'D FEDERAL CON- TRACTOR JOB LISTING	UNFILLED	OPEN 30 DAYS OR MORE									
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O							
96	TOTAL	21572	6063	3310	530	1150	859	1220	2393	7864	2101	5262	700	541							
96	0-1	2535	841	468	98	28	127	41	110	521	170	235	24	16							
96	000-169	1857	657	409	55	17	88	30	86	384	143	157	17	12							
96	180-199	678	184	59	43	11	39	11	24	137	27	78	7	4							
96	2	4182	1229	993	65	201	190	113	444	2233	613	1538	247	214							
96	200-249	3419	1063	906	38	171	157	102	388	1881	585	1306	170	147							
96	250-299	763	166	87	27	30	33	11	56	352	28	232	77	67							
96	3	3034	995	716	62	197	188	166	626	1357	380	873	127	87							
96	300-309	230	116	114	1	9	35	64	107	44	2	20	1	1							
96	310-319	1134	375	273	19	92	59	25	219	460	16	264	65	43							
96	320-389	1670	504	329	42	96	94	77	300	853	362	589	61	43							
96	4	264	55	9	6	24	6	10	26	208	30	146	10	10							
96	400-429	231	45	7	6	17	5	9	17	193	15	131	10	10							
96	440-449	8	1	0	0	0	0	1	1	0	0	0	0	0							
96	450-461	25	9	2	0	7	1	0	8	15	15	15	0	0							
96	5	539	167	47	24	28	24	50	54	222	88	131	16	14							
96	6	1791	560	176	83	83	75	181	179	636	223	452	30	17							
96	7	2293	740	523	29	120	113	240	364	806	225	569	70	50							
96	8	1784	404	37	102	83	36	57	100	882	71	634	77	62							
96	800-859	696	168	29	43	26	13	21	41	198	48	100	20	15							
96	860-899	1088	236	8	59	57	23	36	59	684	23	534	57	47							
96	9	4096	1037	330	110	379	99	353	466	991	300	700	97	71							
96	900-919	698	188	30	51	31	15	15	66	171	17	105	21	13							
96	920-929	3284	817	292	52	339	81	331	390	784	276	571	73	57							
96	930-979	114	32	8	7	9	3	7	10	36	7	24	3	1							

SMSA 4160

MONTHLY YEAR TO DATE  
FOR PERIOD ENDING 09/30/81

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STRUCTURAL WORK

## 80 METAL FABRICATING, N.E.C.

- 800 Riveting
- 801 Fitting, bolting, screwing, & related work
- 804 Sheet metal work
- 805 Boilermaking & related work
- 806 Transportation equipment assembling & related work
- 807 Body work, transportation equipment
- 809 Miscellaneous metal fabricating, n.e.c.

## 81 WELDERS, FLAME CUTTERS, AND RELATED

- 810 Arc welding
- 811 Gas welding
- 812 Combination arc and gas welding
- 813 Resistance welding
- 814 Brazing, braze-welding, & soldering
- 815 Lead burning
- 816 Flame and arc cutting
- 819 Welding, flame cutting, & related work, n.e.c.

## 82 ELECTRICAL ASSEMBLING, INSTALLING, &amp; REPAIRING

- 820 Generator, motor, & related powerplant equipment assembly, installation, & repair
- 821 Transmission & distribution line & circuit assembly, installation, & repair
- 822 Wire communication, detection, & signaling equipment assembly, installation, & repair
- 823 Electronic communication, detection, & signaling equipment assembly, installation, & repair
- 824 Lighting equipment & building wiring assembly, installation, & repair, n.e.c.
- 825 Transportation & materials handling equipment assembly, installation, & repair, n.e.c.
- 826 Industrial apparatus assembly, installation, and repair, n.e.c.
- 827 Large household appliances & similar commercial & industrial equipment assembly, installation, & repair
- 828 Electrical & electronic product fabrication, installation, & repair, n.e.c.
- 829 Assembly, installation, & repair of electrical products, n.e.c.

## 84 PAINTING, PLASTERING, WATERPROOFING, CEMENTING, AND RELATED

- 840 Construction & maintenance painting & related work
- 841 Paperhanging
- 842 Plastering & related work
- 843 Waterproofing & related work
- 844 Cement & concrete finishing & related work
- 845 Transportation equipment painting & related work
- 849 Painting, plastering, waterproofing, cementing, & related work, n.e.c.

## 85 EXCAVATING, GRADING, PAVING, &amp; RELATED

- 850 Excavating, grading, & related work
- 851 Drainage & related work
- 852 Concrete paving
- 853 Asphalt paving
- 859 Excavating, grading, paving, & related work, n.e.c.

## 86 CONSTRUCTION OCCUPATIONS, N.E.C.

- 860 Carpentry and related work
- 861 Brick and stone masonry and tile setting
- 862 Plumbing, gas fitting, steam fitting, and related work
- 863 Asbestos and insulation work
- 864 Floor laying and finishing work
- 865 Glass setting and related work
- 866 Roofing and related work
- 869 Miscellaneous construction work, n.e.c.

## 89 STRUCTURAL WORK OCCUPATIONS, N.E.C.

- 891 Structural maintenance, n.e.c.
- 892 Hoisting and conveying, n.e.c.
- 899 Miscellaneous structural work, n.e.c.

MISCELLANEOUS WORK

## 90 MOTOR FREIGHT

- 900 Concrete-mixing-truck driving
- 902 Dump-truck driving
- 903 Truck driving, inflammables
- 904 Trailer-truck driving
- 905 Heavy truck driving
- 906 Light truck driving
- 909 Motor freight transportation, n.e.c.

## 91 TRANSPORTATION OCCUPATIONS, N.E.C.

- 910 Railroad transportation
- 911 Water transportation
- 912 Air transportation
- 913 Passenger transportation, n.e.c.
- 914 Pumping and pipeline transportation
- 915 Parking lot and related service work
- 919 Miscellaneous transportation work, n.e.c.

## 92 PACKAGING AND MATERIALS HANDLING

- 920 Packaging
- 921 Hoisting and conveying
- 922 Materials moving and storing, n.e.c.
- 929 Packaging and materials handling, n.e.c.

## 93 OCCUPATIONS IN EXTRACTION OF MINERALS

- 930 Boring, drilling, cutting, and related work
- 931 Blasting
- 932 Loading and conveying
- 933 Crushing
- 934 Screening and related work
- 939 Extraction of minerals, n.e.c.

## 94 OCCUPATIONS IN LOGGING

- 940 Timber cutting and related work
- 941 Log inspecting, grading, scaling, and related work
- 942 Log sorting, gathering, storing, and related work
- 949 Logging, n.e.c.

MACHINE TRADES

## 60 METAL MACHINING

- 600 Machining and related work
- 601 Toolmaking and related work
- 602 Gear machining
- 603 Abrading
- 604 Turning
- 605 Milling and planing
- 606 Boring
- 607 Sawing
- 609 Metal machining, n.e.c.

## 61 METALWORKING OCCUPATIONS, N.E.C.

- 610 Hammer forging
- 611 Press forging
- 612 Forging, n.e.c.
- 613 Sheet and bar rolling
- 614 Extruding and drawing
- 615 Punching and shearing
- 616 Fabricating machine work
- 617 Metal forming, n.e.c.
- 619 Miscellaneous metalworking, n.e.c.

## 62, 63 MECHANICS AND MACHINERY REPAIRERS

- 620 Motorized vehicle and engineering equipment repairing
- 621 Aircraft repairing
- 622 Rail equipment repairing
- 623 Marine equipment repairing
- 624 Farm machinery repairing
- 625 Engine, power transmission, and rel. equipment rep.
- 626 Metalworking machinery repairing
- 627 Printing and publishing machinery repairing
- 628 Textile machinery and equipment repairing
- 629 Special industry machinery repairing
- 630 General industry machinery repairing
- 631 Powerplant machinery repairing
- 632 Ordnance and accessory repairing
- 633 Business and commercial machine repairing
- 637 Utility equipment repairing
- 638 Miscellaneous machine installation and repairing
- 639 Mechanical repairing, n.e.c.

## 64 PAPERWORKING

- 640 Paper cutting, winding, and related work
- 641 Folding, creasing, scoring, and gluing
- 642 Paper sewing
- 643 Paper corrugating
- 644 Paper fastening, n.e.c.
- 649 Paperworking, n.e.c.

## 65 PRINTING

- 650 Typesetting and composing
- 651 Printing press work
- 652 Printing machine work
- 653 Bookbinding and related work
- 654 Typecasting and related work
- 659 Printing, n.e.c.

## 66 WOOD MACHINING

- 660 Cabinetmaking
- 661 Patternmaking
- 662 Sanding
- 663 Shearing and shaving
- 664 Turning
- 665 Milling and planing
- 666 Boring
- 667 Sawing
- 668 Chipping
- 669 Wood machining, n.e.c.

## 67 MACHINING STONE, CLAY, GLASS, &amp; RELATED MATERIALS

- 670 Stonecutting and related work
- 673 Abrading and polishing
- 674 Turning
- 675 Planing and shaping, n.e.c.
- 676 Boring and punching
- 677 Chipping, cutting, sawing, & related work
- 679 Machining, nonmetallic minerals & rel. materials, n.e.c.

## 68 TEXTILE

- 680 Carding, combing, drawing, and related work
- 681 Twisting, beaming, warping, and related work
- 682 Spinning
- 683 Weaving and related work
- 684 Hosiery knitting
- 685 Knitting, except hosiery
- 686 Punching, cutting, forming, & related work
- 689 Textile machine work, n.e.c.

## 69 MACHINE TRADES OCCUPATIONS, N.E.C.

- 690 Plastics, synthetics, rubber, & leather working
- 691 Insulated wire & cable fabricating
- 692 Fabrication of products from assorted materials
- 693 Modelmaking, patternmaking, & related work
- 694 Fabrication of ordnance, ammunition, & related products, n.e.c.
- 699 Miscellaneous machine work, n.e.c.

BENCH WORK

## 70 FABRICATION, ASSEMBLY, &amp; REPAIR OF METAL PRODUCTS, N.E.C.

- 700 Fabrication, assembly, & repair of jewelry, silverware, & related products
- 701 Fabrication, assembly, & repair of tools & related products
- 703 Sheet-metal products assembly & repair, n.e.c.
- 704 Engraving, etching, & related work
- 705 Filing, grinding, buffing, cleaning, & polishing, n.e.c.
- 706 Metal unit assembling & adjusting, n.e.c.
- 709 Fabrication, assembly, & repair of metal products, n.e.c.

306 Housework, domestic  
 307 Child monitor  
 309 Domestic services, n.e.c.

## 31 FOOD AND BEVERAGE PREPARATION AND SERVICE

310 Food and beverage service, except ship steward/stewardess  
 311 Food serving  
 312 Bartending  
 313 Cooking, large hotels and restaurants  
 314 Cooking, small hotels and restaurants  
 315 Miscellaneous cooking, except domestic  
 316 Meat cutting, except in slaughtering and packing houses  
 317 Miscellaneous food and beverage preparation  
 318 Kitchen work, n.e.c.  
 319 Food and beverage preparation and service, n.e.c.

## 32 LODGING AND RELATED SERVICE

320 Boardinghouse and lodginghouse keeping  
 321 Housekeeping, hotels and institutions  
 323 Cleaning & related services, hotels, restaurants,  
     and related establishments  
 324 Bellhop and related services  
 329 Lodgings and related services, n.e.c.

## 33 BARBERING, COSMETOLOGY, AND RELATED SERVICE

330 Barbering and related services  
 331 Manicuring  
 332 Beautician services  
 333 Make-up, theatrical  
 334 Masseur and related services  
 335 Bath attendant work  
 338 Embalming  
 339 Barbering, cosmetology, and related service, n.e.c.

## 34 AMUSEMENT AND RECREATION SERVICE

340 Bowling alley and billiard parlor services  
 341 Golf course, tennis court, skating rink, & rel. serv.  
 342 Amusement device and concession work  
 343 Gambling hall services  
 344 Ushering  
 346 Wardrobe and dressing-room services  
 349 Amusement and recreation services, n.e.c.

## 35 MISCELLANEOUS PERSONAL SERVICE

350 Ship steward/stewardess service  
 351 Rail passenger service  
 352 Host/hostess and steward/stewardess service, n.e.c.  
 353 Guide service, except hunting and fishing  
 354 Unlicensed birth attendant and practical nursing serv.  
 355 Attendant work, hosps., morgues, & rel. health serv.  
 356 Animal care, n.e.c.  
 357 Baggage porter service  
 358 Checkroom, locker room, and restroom services  
 359 Miscellaneous personal services, n.e.c.

## 36 APPAREL &amp; FURNISHINGS SERVICE

361 Laundering service  
 362 Dry cleaning service  
 363 Pressing service  
 364 Dyeing & related services  
 365 Shoe & luggage repair & related services  
 366 Shoe shining & related services  
 369 Apparel & furnishings services, n.e.c.

## 37 PROTECTIVE SERVICE

371 Bridge tending & crossing guard services  
 372 Guard and related services  
 373 Fire protection service  
 375 Police & related work, public service  
 376 Police & related work, except in public service  
 377 Law enforcement work, n.e.c.  
 378 Military service  
 379 Protective services, n.e.c.

## 38 BUILDING AND RELATED SERVICE

381 Cleaning and related services  
 382 Janitorial services  
 388 Elevator services  
 389 Building and related services, n.e.c.

FARMING, FISHERY, FORESTRY, & RELATED WORK

## 40 PLANT FARMING

401 Grain farming  
 402 Cotton farming  
 403 Vegetable farming  
 404 Fruit and nut farming  
 405 Crop specialty farming  
 406 Horticultural specialty work  
 407 Gardening & groundskeeping  
 409 Plant farming, n.e.c.

## 41 ANIMAL FARMING

411 Dairy farming  
 412 Poultry farming  
 413 Livestock farming  
 419 Animal farming, n.e.c.

## 42 MISCELLANEOUS FARMING &amp; RELATED

421 General farming  
 422 Farm irrigation  
 423 Farm couples  
 424 Farm machinery operating, n.e.c.  
 429 Miscellaneous farming & related work, n.e.c.

## 43 FISHERY AND RELATED

431 Net, seine, and trap fishing  
 432 Line fishing  
 433 Fishing, miscellaneous gear  
 435 Whaling  
 436 Marine life cultivation & related work  
 437 Sponge & seaweed gathering  
 439 Fishery & related work, n.e.c.

PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK

## 00,01 ARCHITECTURE AND ENGINEERING

001 Architecture  
 002 Aeronautical engineering  
 003 Electrical engineering  
 005 Civil engineering  
 006 Ceramic engineering  
 007 Mechanical engineering  
 008 Chemical engineering  
 010 Mining and petroleum engineering  
 011 Metallurgy and metallurgical engineering  
 012 Industrial engineering  
 013 Agricultural engineering  
 014 Marine engineering  
 015 Nuclear engineering  
 017 Drafting and related work  
 018 Surveying and related work  
 019 Architecture and engineering, n.e.c.

## 02 MATHEMATICS AND PHYSICAL SCIENCES

020 Mathematics  
 021 Astronomy  
 022 Chemistry  
 023 Physics  
 024 Geology  
 025 Meteorology  
 029 Mathematics and physical sciences, n.e.c.

## 04 LIFE SCIENCES

040 Agricultural sciences  
 041 Biological sciences  
 043 Psychology  
 049 Life sciences, n.e.c.

## 05 SOCIAL SCIENCES

050 Economics  
 051 Political science  
 052 History  
 054 Sociology  
 055 Anthropology  
 059 Social sciences, n.e.c.

## 07 MEDICINE AND HEALTH

070 Medicine and surgery  
 071 Osteopathy  
 072 Dentistry  
 073 Veterinary medicine and surgery  
 074 Pharmacy  
 075 Nursing  
 077 Dietetic work  
 078 Medical and dental technology  
 079 Medicine and health, n.e.c.

## 09 EDUCATION

090 College and university education  
 091 Secondary school education  
 092 Primary school and kindergarten education  
 094 Education of the handicapped  
 096 Home economics, agriculture, and related education  
 097 Vocational education, n.e.c.  
 099 Education, n.e.c.

## 10 MUSEUM, LIBRARY, AND ARCHIVAL SCIENCES

100 Library work  
 101 Archival science work  
 102 Museum and related work  
 109 Museum, library, and archival sciences, n.e.c.

## 11 LAW AND JURISPRUDENCE

110 Legal work  
 111 Judicial work  
 119 Law and jurisprudence, n.e.c.

## 12 RELIGION AND THEOLOGY

120 Ministerial work  
 129 Religion and theology, n.e.c.

## 13 WRITING

130 Freelance writing  
 131 Writing and editing, motion pictures, radio and TV  
 132 Writing and editing, publications  
 137 Interpreting and translating  
 139 Writing, n.e.c.

## 14 ART

141 Commercial art  
 142 Designing  
 143 Photography  
 144 Painting and related work  
 148 Sculpturing and related work  
 149 Art work, n.e.c.

## 15 ENTERTAINMENT AND RECREATION

150 Dramatics  
 151 Dancing  
 152 Music  
 153 Athletics and sports  
 159 Entertainment and recreation, n.e.c.

## 16 ADMINISTRATIVE SPECIALIZATIONS

160 Accounting and auditing  
 161 Budget and management analysis  
 162 Purchasing management  
 163 Sales and distribution management  
 164 Advertising management  
 165 Public relations management  
 166 Personnel and training administration  
 168 Inspecting and investigating, managerial and pub. serv.  
 169 Administrative specialties, n.e.c.

## 18 MANAGERS AND OFFICIALS, N.E.C.

180 Agriculture, forestry, and fishing management  
 181 Mining management  
 182 Construction management  
 183 Manufacturing industry management  
 184 Transportation, communication, and utilities, mgt.  
 185 Wholesale and retail trade management  
 186 Finance, insurance, and real estate management  
 187 Service industry management  
 188 Public administration management  
 189 Miscellaneous managerial work, n.e.c.

Table 32  
Job Bank Openings  
by Occupational Category  
March 1981

	State	Boston	Fall River	Fitchburg	Lawrence	Lowell	New Bedford	Pittsfield	Springfield	Worcester	Balance of State
	7,510	2,514	157	222	550	290	250	158	680	842	2,083
TOTAL - ALL OCCUPATIONS	992	457	8	7	43	38	32	25	150	103	146
Professional, Technical, Managerial	220	63	--	2	3	22	7	4	29	9	27
Architect & Engineering	65	34	1	--	2	7	1	--	4	--	15
Math. & Physical Sciences	30	14	1	1	1	1	--	2	6	4	1
Life & Social Sciences	148	41	1	--	1	3	2	3	54	11	33
Medicine & Health	44	18	--	1	12	--	1	--	18	2	4
Education	13	5	--	--	--	--	6	--	1	--	1
Museum, Library	4	3	--	--	--	--	--	--	--	1	--
Law, Jurisprudence	10	3	1	--	--	--	--	--	--	--	2
Writing	3	--	--	--	1	--	--	--	3	--	1
Art	2	--	--	--	--	--	--	--	2	--	1
Entertainment	121	63	--	--	14	4	7	3	1	--	--
Administrative Spec.	266	164	4	--	11	1	5	11	18	18	11
Managers	62	10	--	2	4	--	2	2	7	15	45
Miscellaneous, Prof., Tech., Mgr.	2,131	938	34	29	123	53	35	17	81	249	629
Clerical Sales	699	417	9	8	43	27	11	4	35	39	122
Stenography, Typing & Related	440	240	11	12	18	4	12	5	24	31	87
Computing Acc't, Recor.	129	36	--	4	35	8	2	--	2	15	48
Prod. & Stock Clerk	81	47	6	1	4	--	2	2	3	4	11
Information Distr.	49	25	--	2	2	--	--	--	3	9	6
Misc. Clerical	29	3	2	2	1	--	--	2	5	4	19
Salespersons Services	704	82	6	--	20	11	8	4	9	147	336
Miscellaneous Sales											

Job Bank Openings  
by Occupational Category  
March 1981

	State	Boston	Fall River	Fitchburg	Lawrence	Lowell	New Bedford	Pittsfield	Springfield Chicopee Holyoke	Worcester	Balance of State
Service	1,399	320	16	22	68	60	27	20	200	166	492
Domestic Service	84	57	--	--	5	8	0	13	4	7	16
Food & Beverage Preparation	273	98	2	6	21	--	6	--	18	19	99
Protective Services	442	59	9	6	8	44	9	--	51	80	133
Building & Related	129	46	1	--	14	6	10	1	11	22	21
Other Service Occupations	471	60	4	10	20	2	--	6	116	31	223
Farming, Fishing, Forestry											
Plant Farming	209	38	5	--	2	--	11	0	45	26	69
Animal Farming	104	36	5	--	2	--	11	--	22	--	29
Forestry	5	1	--	--	--	--	--	--	--	1	2
	100	1	--	--	--	--	--	--	23	25	38
Processing											
Ore Refining, Foundry	246	33	18	47	20	1	9	4	30	17	67
Food, Tobacco	22	--	3	--	1	--	--	2	2	2	11
Paper	32	10	--	3	1	--	--	2	2	1	11
Chemicals, Plastics, Synthetics	1	--	--	--	--	--	--	--	--	1	--
Stone, Clay, Glass	141	11	14	39	7	--	3	--	24	12	27
Leather & Textiles	3	--	1	--	--	--	--	--	--	--	3
Processing Occupations NEC	23	2	--	5	10	--	6	--	--	1	3
	24	10	--	--	1	1	--	--	--	--	13

Job Bank Openings  
by Occupational Category  
March 1981

	State	Boston	Fall River	Fitchburg	Lawrence	Lowell	New Bedford	Pittsfield	Springfield Chicopee Holyoke	Worcester	Balance of State
<u>Machine Trades</u>											
Metal Machining	602	138	17	34	67	24	34	31	41	69	184
Metal Working NEC	149	46	8	4	7	4	3	2	20	23	35
Mechanics & Repair	80	19	--	--	24	3	--	--	1	11	36
Printing & Paperworking	150	43	3	6	8	14	9	4	9	18	41
Wood Machining	33	4	--	--	9	--	2	7	7	3	5
Textiles	54	17	--	--	2	--	--	2	--	2	33
Machine Trades NEC	51	3	6	7	6	--	20	1	--	9	3
	85	6	--	17	11	3	--	15	4	3	31
<u>Benchwork</u>											
Metal Products	702	158	45	27	72	47	66	36	63	60	176
Scientific & Electrical Equipment	131	64	--	4	1	--	6	--	3	7	47
Plastics, Synthetic Rubber	242	45	--	1	24	33	54	25	31	6	39
Stone & Wood Products	10	2	--	2	4	--	--	1	--	--	2
Textile, Leather	20	4	--	--	2	--	--	1	--	--	12
Benchwork Occupations	249	40	45	12	34	8	5	9	24	40	55
	50	5	--	8	11	6	1	--	5	7	23
<u>Structural</u>											
Metal Fabrication	605	241	10	17	42	34	15	17	38	50	157
Welders	125	77	3	5	12	13	1	2	4	2	16
Electrical	69	23	--	--	9	--	--	0	10	2	29
	76	34	1	1	4	4	3	1	12	6	13

Job Bank Openings  
by Occupational Category  
March 1981

	State	Boston	Fall River	Fitchburg	Lawrence	Lowell	New Bedford	Pittsfield	Springfield			Balance
									Chicopee	Holyoke	Worcester	
Structural (continued)												
Painting	33	10	1	--	5	8	2	4	1		3	2
Excavating, Grading etc.	25	20	--	--	--	1	--	1	--		--	2
Construction NEC	243	72	4	11	9	6	5	8	8		30	84
Structural Occupations NEC	34	5	1	--	3	2	4	1	3		7	11
Miscellaneous												
Motor Freight Occupations	624	191	4	39	113	33	21	8	32		102	163
Transportation Occupations	76	32	--	7	13	1	1	2	--		14	13
Packing, Material Handling	70	30	--	--	--	--	10	2	1		3	24
Production Distribution of Utilities	439	126	4	30	99	30	8	3	20		82	111
Graphic Art Work	14	1	--	2	--	--	--	1	7		1	2
Other	20	2	--	--	1	--	1	--	4		2	11
	5	--	--	--	--	2	1	--	--		--	2

\* Lawrence/Haverhill data for February

Source: Job Bank - March 1981

NEC: Not elsewhere classified

Table 33

Average Pay by Occupational Category  
Massachusetts Job Banks  
March 1981

	State	Boston	Fall River	Fitchburg	Lawrence	Lowell	New Bedford	Pittsfield	Springfield Chicopee Holyoke	Worcester	Balance of State
TOTAL - ALL OCCUPATIONS	\$ 9,576	\$ 10,413	\$ 8,347	\$ 8,396	\$ 9,378	\$ 10,068	\$ 8,842	\$ 9,520	\$ 10,289	\$ 8,826	\$ 8,896
Prof., Tech., Managerial 2/	14,844	16,286	15,149	13,029	12,807	18,307	11,292	11,627	14,099	11,826	13,711
Architect & Engineering	18,729	20,294	--	16,200	13,440	18,075	13,294	19,500	18,008	17,843	15,737
Math. & Physical Science	19,112	20,256	16,000	--	17,304	23,563	10,400	--	18,269	--	16,960
Life & Social Sciences	13,078	15,057	13,165	10,600	10,500	9,000	--	9,758	12,850	9,416	14,500
Medicine & Health	12,749	12,983	10,400	--	10,000	12,827	11,660	12,480	13,171	12,209	12,086
Education	12,549	12,860	--	9,000	11,100	--	9,500	--	12,123	9,640	16,169
Museum, Library	9,752	11,494	--	--	--	--	7,800	--	10,625	--	11,878
Law Jurisprudence	15,103	15,804	--	--	--	--	--	--	--	13,000	--
Writing	14,346	18,152	7,662	--	--	--	--	--	--	--	14,000
Art	11,000	--	--	--	--	--	--	--	13,000	--	12,200
Entertainment	12,480	--	--	--	16,916	--	--	--	13,000	--	--
Admin. Spec.	14,087	--	--	--	--	--	--	--	13,000	--	--
Managers	14,293	15,053	--	--	12,980	--	10,610	11,573	13,712	12,940	14,202
Misc., Prof., Tech.,	9,662	12,375	18,492	11,700	13,099	--	14,140	10,831	14,271	13,266	12,451
			--	13,750	13,966	--	10,000	8,800	11,763	7,679	13,348
Clerical Sales 2/	8,211	8,544	7,819	8,215	8,713	8,433	8,032	8,459	8,774	7,798	7,774
Steno., Typing & Related	8,634	8,721	8,138	7,852	9,082	8,975	7,940	8,751	8,378	8,109	8,742
Computing Acc't., Recor.	8,169	8,255	7,592	8,508	9,328	8,294	8,080	8,216	8,138	7,846	8,013
Prod. & Stock Clerk	8,430	9,104	--	8,320	8,109	8,832	12,640	--	7,984	8,525	7,540
Information Distr.	8,430	8,800	7,696	7,800	7,722	--	7,124	6,968	7,281	10,184	7,667
Miscellaneous Clerical	8,920	8,726	--	8,108	8,060	7,973	--	--	8,533	8,706	11,272
Salespersons Services	12,778	18,867	10,400	--	15,600	--	--	--	10,400	--	12,682
Miscellaneous Sales	7,549	8,143	7,072	8,020	8,343	7,233	7,163	8,963	11,856	7,518	7,089

Average Pay by Occupational Category  
Massachusetts Job Banks  
March 1981

	State	Boston	Fall River	Fitchburg	Lawrence	Lowell	New Bedford	Pittsfield	Springfield	Worcester	Balance of State
									Chicopee		
									Holyoke		
Service 3/											
Domestic	\$ 3.94	\$ 3.94	\$ 3.42	\$ 3.39	\$ 3.87	\$ 3.55	\$ 4.32	\$3.43	\$ 4.12	\$ 4.00	\$3.91
Food & Beverage Preparation	3.49	3.50	--	--	3.50	--	--	--	3.35	3.50	3.48
Protective Services	4.05	4.07	3.35	3.35	3.88	3.84	5.35	3.35	4.19	3.84	4.16
Building & Related Prods.	3.95	3.92	3.37	3.48	4.05	3.49	4.41	--	4.31	4.12	3.83
Other Service Occupations	3.91	4.15	3.75	--	4.18	3.54	3.81	4.12	3.86	3.74	3.84
	3.95	4.00	3.48	3.35	3.66	3.75	3.43	3.47	4.07	4.05	3.91
Farming, Fishing, Forestry 3/											
Plant Farming	4.13	4.39	3.50	--	4.50	--	4.33	--	4.04	3.40	4.02
Animal Farming	3.92	4.37	3.50	--	4.50	--	4.33	--	3.59	--	3.54
Forestry	3.95	4.00	--	--	--	--	--	--	--	3.40	4.18
	4.43	5.50	--	--	--	--	--	--	4.46	--	4.37
Processing 3/											
Ore Refining, Foundry	4.24	4.12	3.80	4.00	4.36	5.00	4.75	3.43	5.44	4.47	3.95
Food, Tobacco	4.07	--	4.00	--	3.50	--	--	3.50	5.43	4.00	3.81
Paper	3.96	3.91	--	4.67	4.00	5.00	--	3.35	4.18	3.75	3.88
Chem., Plastic, Synthetic	3.50	--	--	--	--	--	--	--	--	3.50	--
Stone, Clay, Glass	4.37	3.95	3.70	3.95	5.27	--	3.75	--	5.65	4.75	4.11
Leather & Textiles	4.21	--	4.64	--	--	--	--	--	--	--	4.00
Processing Occup. NEC	4.30	4.50	--	4.00	3.87	--	5.25	--	4.20	3.75	3.55
	4.11	4.45	--	--	4.00	--	--	--	--	--	3.85
Machine Trades 3/											
Metal Machining	5.05	5.70	4.04	4.02	4.60	5.34	5.00	5.18	5.32	4.86	4.88
Metal Working NEC	5.73	6.12	4.30	5.30	6.36	5.63	6.75	5.20	5.62	5.21	5.94
Mechanics & Repair	4.49	4.39	--	--	4.15	4.42	--	--	3.80	4.43	4.55
	5.41	5.48	4.33	5.19	6.08	5.64	4.67	4.69	4.93	4.83	5.92

Average Pay by Occupational Category  
Massachusetts Job Banks  
March 1981

	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill 1/	Springfield				Balance of State	
						New Lowell	New Bedford	Pittsfield	Chicopee Holyoke		Worcester
Printing & Paperworking	\$ 4.51	\$ 5.25	\$ --	\$ --	\$ 4.05	\$ 4.35	\$ 5.00	\$ 4.64	\$ 4.91	\$ 3.86	\$ 3.90
Wood Machining	5.07	7.32	--	--	3.75	--	--	4.50	--	4.25	4.00
Textiles	4.34	3.40	3.55	3.35	4.25	4.88	4.89	3.50	--	4.83	3.78
Machine Trades NEC	4.37	5.02	--	3.51	4.19	--	--	5.76	5.85	5.54	3.88
Benchmark 3/											
Scientific & Elect. Equipment	3.97	4.50	--	6.00	3.89	3.82	3.42	4.35	3.48	3.44	4.50
Stone & Wood Products	3.68	4.25	--	3.75	3.35	--	--	3.50	--	--	3.50
Textile, Leather	3.67	3.76	3.79	3.43	4.19	3.98	4.25	3.47	3.41	3.60	3.66
Metal Products	3.59	3.40	--	3.55	6.00	--	3.42	--	3.57	3.61	3.86
Other Benchmark Occupations	4.71	4.70	--	3.73	4.02	4.92	4.00	3.50	4.00	4.03	3.68
Structural 3/											
Metal Fabrication	5.45	5.81	4.95	4.93	6.62	5.60	4.52	5.24	6.31	4.66	5.11
Welders	5.77	5.86	4.99	4.27	7.60	6.42	5.76	4.00	7.87	5.00	5.09
Electrical	5.58	5.78	--	--	6.25	--	--	--	6.30	5.00	5.13
Painting	5.71	6.18	5.00	3.50	6.93	4.56	6.08	8.18	5.26	5.77	5.20
Excavating, Grading etc.	5.78	7.27	7.00	--	4.35	4.88	4.00	5.00	5.00	7.00	5.00
Construction NEC	5.00	4.50	--	--	--	6.00	--	7.00	--	--	7.00
Structural Occupations NEC	5.31	5.82	4.75	5.36	7.33	5.78	4.05	5.05	7.59	4.33	5.16
	4.37	4.77	3.50	--	5.00	4.50	3.90	5.50	5.46	3.96	4.28

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Average Pay by Occupational Category  
Massachusetts Job Banks  
March 1981

	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill 1/	Lowell	New Bedford	Pittsfield	Springfield		Worcester	Balance of State
									Chicopee	Holyoke		
Miscellaneous 2/	\$ 4.38	\$ 4.16	\$ 3.45	\$ 3.96	\$ 4.06	\$ 4.19	\$ 3.73	\$ 4.38	\$ 4.91	\$ 4.11	\$ 4.47	
Motor Freight	4.78	5.06	--	3.96	4.04	5.75	3.35	3.75	--	4.57	5.48	
Transportation Occup. NEC	4.41	4.21	--	--	--	--	3.73	3.35	3.50	3.65	5.18	
Packaging, Materials Handling	4.00	3.87	3.45	3.68	4.07	4.15	3.71	5.08	4.16	4.01	4.16	
Prod. Distrib. of Utilities	7.11	8.34	--	8.17	--	--	--	5.62	7.78	5.79	4.50	
Graphic Art Work	4.27	5.06	--	--	4.00	--	4.38	--	4.01	4.68	4.14	
Other	5.75	--	--	--	--	4.00	3.75	--	--	--	8.50	

1/ Lawrence/Haverhill data for February

2/ Average yearly salary

3/ Average Hourly pay

Source: Job Bank - March 1981

NEC: Not elsewhere classified







ACME  
BOOKBINDING CO. INC.

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